

To: Ex. 6 - Personal Privacy (sender's personal email address)
From: Dourson, Michael
Sent: Sun 12/17/2017 8:36:55 PM
Subject: boarding pass
[Print Preview Delta Air Lines_action.htm](#)

Cheers!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

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Date MON, DEC 18, 2017

Boarding Document Title Boarding Document

Passenger name: Michael Dourson

Ex. 6 - Personal Privacy

SILVER/ELITE

Confirmation number: HI9GXX

Origin - Destination CVG - DCA

**CINCINNATI(CVG) -to
Washington-Reagan (DCA)**

BOARDING GATE*

ZONE SEAT

FLIGHT DL4171

6:21am

-
terminal
Terminal 3

1

10B Cabin Basic
Economy (E)

Operated by ENDEAVOR DBA DELTA CNX

Depart Mon, 7:01am

Arrive Mon, 08:34am

*Boarding doors close 10 minutes prior to departure.

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Boarding Document Delta Airline Logo Dated 18DEC MICHAEL DOURSON Confirmation Number: HI9GXX /TSA PRECHK SkyMiles #XXXXXX3177 CINCINNATI to Washington-Reagan Flight DL4171 Boarding 621A GATE*- Zone 1 SEAT 10B Basic Economy E departure Mon, 7:01am arrival Mon 8:34am *Boarding doors close 10 minutes prior to departure. Fly Paperless: www.delta.com/app Ticket Number: 006 8662086293 Barcode

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To: Beck, Nancy[Beck.Nancy@epa.gov]; Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]; Keigwin, Richard[Keigwin.Richard@epa.gov]; Sands, Jeffrey[sands.jeffrey@epa.gov]
From: Dourson, Michael
Sent: Fri 11/17/2017 11:23:13 AM
Subject: Fwd: USDA Comments

Dear Colleagues

A timely topic that, as shown in the link below to the EFSA event on epidemiology data from Sheryl over at USDA. The workshop has several luminaries and our on Dr. Miller. Perhaps, Rick, we can get a briefing from him when he returns?

Cheers!

Michael

Sent from my iPad

Begin forwarded message:

From: "Dourson, Michael" <dourson.michael@epa.gov>
Date: November 17, 2017 at 6:18:03 AM EST
To: "Kunickis, Sheryl - OSEC" <Sheryl.Kunickis@osec.usda.gov>
Subject: Re: USDA Comments

Sheryl

The pleasure was mine. It is so good to know that the USDA has smart and dedicated folks as well. However, based on the good work your group does, I should have realized this immediately.

Thanks for the link. I will pass it on.

Cheers!

Michael

Sent from my iPad

On Nov 16, 2017, at 11:10 AM, Kunickis, Sheryl - OSEC
<Sheryl.Kunickis@osec.usda.gov> wrote:

Dr. Dourson,

I was pleased to meet you and look forward to working with you in the future. Attached are USDA comments on chlorpyrifos that we submitted during the last public comment period in January 2017.

Please let me know if you have questions.

Also, the link to the meeting in Italy is

<https://www.efsa.europa.eu/en/events/event/171121-0>

Thanks,
Sheryl

Sheryl H. Kunickis, Ph.D., Director

U.S. Department of Agriculture Office of Pest Management Policy
South Building, Room 3871; 1400 Independence Ave., SW;

Washington, D.C. 20250-0314

(202) 720-5375 Desk phone - (202) 573-4984 Cell phone

sheryl.kunickis@osec.usda.gov

<OutlookEmoji-1498664564560_USDA-Logo.jpg64f0cbe0-97ae-4e53-a19e-69ca1c2bf0c6.jpg>

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<USDA chlorpyrifos comments January 2017_final.pdf>

To: Washington, Valerie[Washington.Valerie@epa.gov]
From: Dourson, Michael
Sent: Tue 11/21/2017 11:56:22 AM
Subject: FW: Upcoming Workshop: Review of Advances Made to the IRIS Process

Valerie

Please register me for this meeting.

Thanks!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

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From: Beck, Nancy
Sent: Monday, November 20, 2017 3:52 PM
To: Yamada, Richard (Yujiro) <yamada.richard@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
Subject: Fwd: Upcoming Workshop: Review of Advances Made to the IRIS Process

Nancy B. Beck, Ph.D., DABT
Deputy Assistant Administrator, OCSPP
P: 202-564-1273
M: Ex. 6 - Personal Privacy
Beck.Nancy@epa.gov

Begin forwarded message:

From: Board on Environmental Studies and Toxicology <best@nas.edu>
Date: November 20, 2017 at 3:47:25 PM EST
To: <beck.nancy@epa.gov>
Subject: Upcoming Workshop: Review of Advances Made to the IRIS Process
Reply-To: Board on Environmental Studies and Toxicology <best@nas.edu>

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Upcoming Workshop: Review of Advances Made to the IRIS Process

A committee of the National Academies of Sciences, Engineering, and Medicine will hold a workshop on **February 1-2, 2018, in Washington, DC**, to review advances made to the Integrated Risk Information System (IRIS). At the request of the US Environmental Protection Agency (EPA), this committee will assess changes that have been implemented (or plan to be implemented) by EPA in response to recommendations made in previous National Academies reports, such as *Review of EPA's Integrated Risk Information System (IRIS) Process* and *Review of the Environmental Protection Agency's Draft IRIS Assessment of Formaldehyde*. This public workshop will serve as a venue for EPA to present its changes to the IRIS program and to provide an opportunity for stakeholder input on the changes to the program. The committee will base its assessment on information received at this workshop. Registration is required to attend. For more information and updates, please visit our website: <http://dels.nas.edu/best>

Register Here

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To: Beck, Nancy[beck.nancy@epa.gov]; Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]; Morris, Jeff[Morris.Jeff@epa.gov]; Wise, Louise[Wise.Louise@epa.gov]
From: Dourson, Michael
Sent: Mon 11/13/2017 7:09:04 PM
Subject: PFOA
Emmett 2006 JOEM Community exposure to PFOA.pdf

Dear Colleagues

Please find attached a published paper that suggests that **Ex. 5 - Deliberative Process**

Ex. 5 - Deliberative Process

I would be more than happy to have this sent over to OW prior to their briefing.

Cheers!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

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Community Exposure to Perfluorooctanoate: Relationships Between Serum Concentrations and Exposure Sources

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³Decatur Community Association, Cutler, OH

Abstract

Objective—To determine serum [PFOA] in residents near a fluoropolymer production facility: the contributions from air, water and occupational exposures, personal and dietary habits, and relationships to age and gender.

Methods—Questionnaire and serum PFOA measurements in a stratified random sample and volunteers residing in locations with the same residential water supply but with higher and lower potential air PFOA exposure.

Results—Serum [PFOA] greatly exceeded general population medians. Occupational exposure from production processes using PFOA and residential water had additive effects, no other occupations contributed. Serum [PFOA] depended on the source of residential drinking water, and not potential air exposure. For public water users the best-fit model included age, tap water drinks per day, servings of home-grown fruit and vegetables, and carbon filter use.

Conclusions—Residential water source was the primary determinant of serum [PFOA].

INTRODUCTION

Fluoropolymers are used in a variety of industrial and consumer products, including protective coatings for carpets and apparel, consumer housewares, paper coatings, electronics, insecticide formulations, surfactants, aerospace and other applications.

Perfluorooctanoate (PFOA, CF₃, (CF₂)₆ C O O⁻, CAS No 3825-26-1) has commercial use primarily as ammonium perfluorooctanoate, an essential surface-active agent in the production of various fluoropolymers, including tetrafluoroethylene. PFOA is a contaminant in other fluorochemicals and telomer products (1). According to manufacturers, it is typically not present in finished consumer articles. Ammonium perfluorooctanoate is fully dissociated into the anion form, perfluorooctanoate, in environmental media and biological fluids.

Organofluorine compounds behave very differently to the more widely studied organochlorines and organobromines and have unusual partitioning properties (2). Perfluorofatty and perfluorosulfonic acids, particularly PFOA and perfluorooctane sulfonate

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(PFOS), are now found ubiquitously in marine animals inhabiting widely spread geographical biospheres (3) and in human serum from widely disparate groups (4–7). PFOA and PFOS persist in the environment and resist biological, environmental or photochemical degradation (3M 2001). They have no known natural sources (8).

In the general US population, median serum PFOA values are around 4 to 5 ng/mL, occasional values are above 20 ng/mL (4,5,9) with no significant gender differences. Analyses of blood samples from residents near Washington County, Maryland found a 2-fold increase in serum PFOA levels between 1974 and 1989 (6). Kannan et al (7) have reported differences in blood serum PFOA levels among populations from different countries.

PFOA toxicology has recently been reviewed (1). PFOA is well absorbed by rats following both oral and inhalation exposure. Fecal excretion in male rats is increased by feeding cholestyramine resin, suggesting enterohepatic circulation (10). Dermal penetration is significant in rats but is low to negligible in humans (11). In rats, PFOA is a peroxisome proliferator activated receptor (PPAR) agonist causing liver toxicity (12,13) with hepatomegaly and hepatic necrosis, and biochemical effects characteristic of PPAR agonists (14). PFOA promotes liver carcinogenesis in rats (15), and causes Leydig-cell testicular tumors and acinar cell pancreatic tumors (16,17), through non-genotoxic mechanisms (18,19) with questionable human relevance. The human half-life of PFOA was between four and five years for retirees with previous heavy occupational exposure (20), much longer than in laboratory animals.

Control of human exposure to PFOA has been limited by the lack of information on sources and pathways. As the US Environmental Protection Agency states: "At present, there aren't any steps that EPA recommends that consumers take to reduce exposure to PFOA because the sources of PFOA in the environment and the pathways by which people are exposed are unknown. The limited geographic locations of fluorochemical plants making or using the chemical suggest that there may be additional sources of PFOA in the environment and exposures beyond those attributable to direct releases from industrial facilities. But whether human exposures are due to PFOA in the air, the water, on dusts or sediments in dietary sources or through some combination of routes is currently unknown" (21).

PFOA has been used in the manufacturing of fluoropolymers at a facility in Washington, WV since 1951. Potential airborne PFOA exposure was modeled using information on releases from the plant, meteorological conditions and topography. The wind rose-map, which shows the frequency and strength of winds from different directions, for the plant indicates the primary wind direction, toward the north/northeast, would carry airborne emissions into neighboring Ohio. PFOA was also released to the Ohio River, adjacent to the plant, as well as disposed in landfills and surface impoundments in the vicinity. According to the facility, total PFOA emissions from the facility have been reduced from 87,000 lbs (31,000 air, 56,000 water) and 80,000 lbs (31,000 air, 49,000 water) in 1999 and 2000 respectively, to 11,000 lbs (6,000 air, 5,000 water) and 1,700 lbs (200 air, 1,500 water) in 2003 and 2004 respectively.

PFOA has been detected in public and private drinking water supplies near the facility. The highest levels reported in public water supplies in the US to date have been in the Little Hocking water system, in operation since 1968, which draws water from wells across the Ohio river from the facility. The average [PFOA] in Little Hocking system distribution water for 2002–2005 has been 3.55 ng/mL (range 1.5 ng/mL to 7.2 ng/mL).

The objectives of the present study were to measure serum PFOA levels in a stratified random sample of the population served by the Little Hocking water service to determine:

how the serum PFOA levels compared with levels measured in other populations; the relative contributions of air and water exposure to serum PFOA levels; and to determine the effects, if any, of demographic variables, occupational exposures, personal habits, use of water filters and dietary factors such as the ingestion of locally-harvested game and fish and of homegrown vegetables.

MATERIALS AND METHODS

Eligibility Criteria

Eligibility criteria for participation in the study were:

- Residence in the area serviced by the Little Hocking Water Association for at least the past two years, as of July 2004
- Ages two or older (changed to ages four or older after the study commenced to minimize participant discomfort) and
- Not known to have a bleeding disorder (in order to diminish any risk from phlebotomy).

Selection of Households for Sampling Frame

Two populations of residents were identified for participation in the stratified random sampling. One population represented those whose residence was potentially exposed to PFOA in both air and water, the other whose residence was potentially exposed to PFOA in water but had very minimal potential for exposure in air. The sampling randomly selected households from each of these strata.

To identify areas where there was higher exposure to PFOA in the air, we used an air dispersion model that estimated the air concentration for PFOA emanating from the PFOA source plant. Inputs into the air dispersion model included the amounts of air emissions for the plant, wind velocities, and topographic contours. The air concentrations had been modeled for years 2002 & 2003 on an annual basis; the model produced very similar results for each of these years. To identify areas in the Little Hocking water service distribution area, a map of the water distribution system was obtained for the Little Hocking water service. The potential air and water exposure group comprised all those who had resided for at least two years in the water distribution system area of the Little Hocking water service and also within the contour line representing $0.2 \mu\text{g}/\text{m}^3$ PFOA in the air as a yearly average for 2002. These households were all located in portions of Zip Codes 45714 (Belpre) and 45742 (Little Hocking).

The potential water exposure group comprised residents who had resided for at least two years in the water distribution system area of the Little Hocking water service but in an area where air exposure to PFOA from the facility was negligible. The selected study area was zip codes 45724 (Cutler), and 45784 (Vincent). These areas were all at least several miles outside the lowest air concentration contours derived from the air dispersion model. Figure 1 shows the location of the residence areas for both the potential air and water exposure and the potential water only exposure zones.

To identify households and residents in the zip codes of interest, demographic and other information was purchased from www.infousa.com, a proprietary database of detailed information on US consumer households compiled from thousands of public sources. The items used to select invitees were names of head of household, street address, city, state, ZIP Code, and length of residence.

Selection of Stratified Random Sample—For the area identified as having both air and water exposure 95 households in the www.infousa database met the requirements, all were invited to take part in the study. These included households with measured PFOA levels in potable well-water, measured by the Ohio Department of Environmental Protection and households using Little Hocking Water Association water. For the area identified as having only water exposure to PFOA, a stratified random sampling of households was performed, resulting in the selection of 342 households. All members of selected households who met the study eligibility criteria were invited to participate.

Invitations to participate—Invitation letters were sent from the University of Pennsylvania to each selected household. If no response was received, a second mailing was sent. If there was still no response after approximately 10 days, a telephone call was made to the household by staff of the Decatur Community Association. No participant chose an option for anonymous participation. On the weekend prior to the mailing of the invitation letter, a flyer was placed in the area weekend newspaper to announce that invitation letters were forthcoming. The principal local newspaper, the Marietta Times, independently wrote an editorial encouraging those selected to consider participation.

Community Volunteer Group—Because of great community interest, a lottery was conducted to select an additional sample of invitees from households that volunteered to participate in the study in response to a newsletter notice. Those households that met study criteria including residing in one of the areas used for stratified random sampling were included in the lottery.

Administration of Questionnaires

Administration of questionnaires and collection of blood samples were performed between July 2004 and February 2005, in nearby Parkersburg, WV. The questionnaires were developed and revised after review by the members of the Community Advisory Committee and an expert panel from the US EPA. The Community Advisory Committee, convened by the Decatur Community Association, comprised representatives of the townships in the Little Hocking Water Association Service District, representatives from the Ohio and US EPA, the Warren School District and the County Health Commissioner. Prior to finalization, the questionnaires were pilot tested on a representative group of 20 individuals from similar Southeastern Ohio or Western West Virginia communities, who did not live in the Little Hocking Water Association District.

Trained interviewers administered all questionnaires. Only one person from each household supplied household information. The household questionnaire elicited information to ensure that participants met the eligibility criteria, demographic information on eligible participants, household contact information, and sources of residential drinking water [private well, water district, cisterns, bottled water, hauled water, etc.], use of a home water filter, and water source and estimated usage for cooking, canning, and reconstituting canned soups and frozen juices.

All adults 18 years and older were administered the adult questionnaire that elicited demographic information, diet (including consumption of vegetables or fruit grown in your garden, meat or game grown locally, and fish caught locally), health conditions (liver, thyroid, bleeding disorders), current medications, current occupational or school if a full-time student, employment (including at a facility using PFOA, visiting or processing waste from that facility, work as a firefighter, in carpet cleaning or retreating carpets or rugs, or in professional carpet installation), and smoking and alcohol habits.

All children were administered a questionnaire that was similar to the adult questionnaire except that the questions about occupation and about smoking and alcohol habits were omitted.

Collection and Assay of PFOA Acid in Serum

Specimen collection—Twenty mls of blood were drawn into red-topped Vacutainer tube for PFOA analysis, immediately centrifuged, and the resulting serum was transferred to polypropylene aliquot tubes, labeled and shipped on dry ice to the analysis laboratory (Exygen Research) where it was stored at -80°C pending analysis.

Standards and chemicals—The standard for perfluorooctanoic acid (99.2%) was obtained from Oakwood Products, Inc (West Columbia, SC) and characterized by DuPont (Newark, DE). Analysis by ^{19}F NMR confirmed that the PFOA standard contained 98.7% straight chain PFOA and 0.53% branched PFOA isomers. The internal standard, [1,2- ^{13}C]-PFOA($\text{C}_6\text{F}_{13}\text{CF}_2^{13}\text{CO}_2\text{H}$, ^{13}C -PFOA) (96.4%) was provided by DuPont (Newark, DE).

Chemicals and reagents used in the sample preparation procedure or in the mobile phase were of reagent grade and were obtained from VWR Scientific (Bridgeport, NJ) and Sigma-Aldrich (St Louis, MO). Solvents used for the mobile phase (acetonitrile, water) were of HPLC grade and were obtained from EM Science (Gibbstown, NJ). The control human serum was purchased from Lampire Biological Laboratories, Inc (Pipersville, PA) and stored frozen at -20°C . This fluid was used for the preparation of laboratory quality control samples with spiked-in PFOA.

Chromatographic and Mass spectrometric conditions—PFOA was analyzed through HPLC/tandem mass spectrometry by a slight modification of the method of Flaherty et al (22).

Standards, sample preparation and calibration—Controls and study subject samples were added 300 μL of acetonitrile. The samples were thoroughly mixed by vortexing, centrifuged and 5 μL of the cell- and protein-free supernatant used for analysis by the HPLC tandem mass spectrometer system. A 7-point calibration curve was analyzed throughout the analytical sequence for the fluorocompounds. The calibrators included normal human serum spiked with 0.5, 1, 5, 10, 20, 50, and 100 ng/mL of PFOA. The instrument response versus the calibrator concentration was plotted for each point. Linear regression with $1/x$ weighting was used to determine the slope, y-intercept and coefficient of determination (r^2). Calibration curves were deemed acceptable if $r^2 \geq 0.985$. This is the external standardization method used for the determination of PFOA in the set of 408 samples described in this study. For samples with PFOA concentrations >100 ng/mL, the sample was diluted in 50:50 methanol/water and re-run. In addition the analysis of PFOA was done using ^{13}C -perfluorooctanoic acid as an internal standard for a randomly selected set of 35 of the samples in order to certify that the external standardization method used provided equivalent PFOA concentration values. For these analyses the internal standard was mixed in acetonitrile at a concentration of 1 ng/mL. As described above for the externally standardized assay for sample preparation: to 100 μL of standards, controls and study subject samples was added 300 mL of acetonitrile containing the internal standard and the cell-and protein-free supernatants prepared as above. On comparison of the externally standardized with the internally standardized sets of results on the 35 selected samples, linear regression analysis showed excellent agreement between the two calibration procedures: $Y(\text{IS}) = 1.073 \pm 0.0229 * X(\text{ext std}) - 0.385 \pm 0.468$; $r^2 = 0.985$; $S_{y-x} = 1.54$.

Matrix spike samples and duplicate sample assays—One matrix spike for every 20 samples was prepared by adding a known concentration of the PFOA to the study subject serum sample for the purpose of assessment of the method's accuracy throughout the set of study subject serum samples. The mean PFOA recovery for these spiked samples was 95% with an SD of 16.2%. In addition, one sample of every 10 was extracted and analyzed in duplicate in order to provide an assessment of the method's precision throughout the set of samples. The average between assay %CV for PFOA duplicates was 5.7%. The lower limit of quantification of this method is 0.5 ng/mL. Validation of this LLOQ was conducted with replicate spiked samples of human serum with PFOA spiked into the samples at 0.5 ng/mL, the concentration of the lowest calibrator for this assay. The mean recovery + SD was 101 + 2.7%.

Serum [PFOA] Philadelphia Volunteer Group—To help ensure that published general population serum PFOA levels were suitable for comparison purposes under the circumstances of the study, we identified a comparison group of 30 volunteers from the Philadelphia area. The Philadelphia volunteers, staff and students at the Hospital of the University of Pennsylvania, were paid \$20 each to participate. Their mean age was 34.3, range 20–56; there were 9 men and 21 women. None identified previous or current occupational exposure to PFOA. Blood from these individuals was drawn, handled spun, stored, shipped and analyzed for PFOA in an identical manner to the blood obtained during the study. The mean serum PFOA levels for the Philadelphia comparison group was 6 ng/mL, IQR 5–10 ng/mL consistent with published values for the US population (4,5,6).

[PFOA] Water Sampling and comparison to serum levels

The concentration of PFOA in finished water in the Little Hocking water system has been measured approximately quarterly from 1/22/2002 to 5/18/2005 by the Ohio EPA. Fourteen measurements were available for this period, results before 11/29/04 had been reported as ammonium perfluorooctanate (APFO), and as PFOA from that date. PFOA concentration in private residential well water was publicly available for 9 individuals for whom private well water was their only reported source of residential drinking water. In one instance, 6 samples had been taken at regular intervals from 2002 through 2005. For this well, the values obtained were averaged to obtain a mean level over the period. For the remaining wells only one sample had been analyzed from a single point in time. The average PFOA concentration in Little Hocking system distribution water from January 2002 until May 2005 was 3.55 ng/mL (range 1.5 ng/mL to 7.2 ng/mL). For private wells used by study participants, PFOA concentrations ranged from not detectable (<0.010 ng/mL) to 14.0 ng/mL.

Statistical Analysis

To determine if serum PFOA levels differed by dietary or personal habits, water source, water usage, occupational exposure, etc., preliminary data analyses included the t-test for binary predictors or the analysis of variance (ANOVA) for greater than 2 exposure categories. Adjustment for multiple comparisons were made using Tukey-Kramer. To check the assumptions of the statistical approach used, various analyses were rerun with the exact test using Monte Carlo. Results were similar to that of the f test. Subsequent higher order analyses included analysis of covariance adjusting for age. Final multivariate analysis to assess the independent contribution of multiple variables was a generalized estimating equation (GEE) to adjust for household cluster. Only variables associated with serum PFOA levels on univariate analysis with a probability <.10 were included. To determine model of best fit, both forced entry and backward elimination were employed. All analyses were performed using SAS statistical software (Version 9.1, SAS Institute, Cary NC). A $p < .05$

was considered statistically significant. Serum PFOA levels Serum [PFOA] are presented as mean, median, and interquartile range (IQR).

To examine the effect of demographic variables (age, gender, duration lived at current residence) we excluded the 18 participants who reported substantial occupational exposure (defined below) to PFOA. To examine the effects of number of glasses of drinking water per day, use of a residential water filter and of dietary exposures we included only those residents whose sole source of residential drinking water was Little Hocking water system water. Only individuals who designated a single source of residential drinking water, and who did not have substantial occupational exposure to PFOA were included in these analyses.

Human Subjects Approvals

The study was approved by the Institutional Review Board (IRB) of the University of Pennsylvania. The study was voluntary and informed consent was obtained for all participants prior to any study. Minors under the ages of 17 were encouraged to give informed assent whenever feasible. A Certificate of Confidentiality was obtained from the NIH to ensure maximum protection of personal information and results.

A partnership between the University of Pennsylvania School of Medicine, The Decatur Community Association, a local community association in the Little Hocking water service area, and Grand Central Family Medicine in Parkersburg WV, a local health care provider, conducted the study through a grant from the Environmental Justice Program of NIEHS. The community was involved at all stages of the study. A local health-care provider informed each participant of his or her personal PFOA results together with any necessary explanation.

RESULTS

Response and Participation Rate

Stratified Random Sample—343 individuals from 169 households participated in the phlebotomy and questionnaire administration. One subject withdrew from the study, 6 subjects could not donate sufficient blood, one subject did not complete the questionnaire, and 11 subjects did not meet eligibility criteria because their household water service was received from a water system other than the Little Hocking Water Association. Accordingly, data was available for analysis from 324 subjects from 161 households selected through the stratified random selection process. The participation rate by location of household mailing address is given in Table 1.

Response and Participation - Community Volunteer Group—100% of the 37 households selected by lottery participated in the phlebotomy. However, 2 individuals from 2 households did not complete the questionnaire and were excluded from further analysis. Thus data from 54 individuals from 35 households was included in the final analysis. The racial and ethnic composition of both participants and volunteers was predominantly white non-Hispanic (97%, N=367), reflecting the composition of Washington County, Ohio.

Role of Occupational Exposure

We established criteria for substantial occupational exposure to PFOA of: at least one years' work in a production area within a facility in which PFOA was used in the production process; with the last such occupational exposure within the previous 10 years. Seventeen individuals from the stratified random sample, and one from the local volunteer sample met this definition for substantial occupational exposure. All had received their occupational

exposure to PFOA in the same fluoropolymer manufacturing facility located in Washington, WV across the Ohio River from the study area. An additional 48 individuals reported past or current potential occupational exposure to PFOA as follows (individuals can be represented more than once): 18 individuals had worked in a fluoropolymer manufacturing facility in a non-production area, at the fluoropolymer production facility in a production area for less than one year total and/or more than ten years ago, or in a job for another employer that required visits to the fluoropolymer production facility, so did not meet the criteria for substantial occupational exposure; 8 individuals had worked in a job involving waste disposal or waste processing from the fluoropolymer manufacturing facility; 29 individuals had worked as firefighters (volunteer, military, as a company employee or paid) and 13 individuals had worked in carpet cleaning, retreating carpets or rugs, or in professional carpet installation. Compared to the no exposure group, none of these occupational exposure groups had statistically significant elevated serum PFOA levels ($p > .05$) (Table 2). Among those with potential occupational exposure, the highest median values were observed for firefighters. However, these values remained well below the concentrations of the substantial occupational exposure group. Since none of these groups had significantly elevated serum PFOA levels they were aggregated into one group (potential exposure) for statistical analysis purposes.

When comparing substantial, potential, and no occupational exposure groups, the substantial occupational exposure group had a significantly higher median serum PFOA levels of 775 ng/mL than the potential exposure (388 ng/mL), and no occupational exposure groups (329 ng/mL) ($p = .0002$, $p < .0001$ respectively, Table 2).

As a result of this finding, the substantial occupational exposure group was removed from further analysis of PFOA exposure in the community. Since the serum PFOA levels for the potential exposure group were not different from the rest of the community, they were included in subsequent analyses of community exposures and treated for purposes of analysis as residents without substantial occupational exposure.

Role of Community Air Exposure: Serum [PFOA] by Community of Residence

The median serum PFOA level in the combined two areas with highest potential air exposure (Little Hocking and Belpre) was 326 ng/mL, compared to 368 ng/mL in the combined two areas with a potentially minimal contribution from PFOA through air pollution (Cutler and Vincent) (Table 3). This difference was not statistically significant ($p = .32$).

Additionally, the inclusion of local volunteers made no appreciable difference to the results (Table 3). Because of the similarity of serum PFOA levels in each community regardless of air pollution or the inclusion of volunteers, all communities and samples were combined in the subsequent analyses to examine the effects of water exposure on [PFOA].

Role of Exposure in Water: Serum [PFOA] and Primary Source of Residential Drinking Water

With regard to water exposure, the highest median serum PFOA level (374 ng/mL) was found for the group who used only Little Hocking system water as their residential drinking water source (Table 4). The lowest was found in those who currently used only bottled and/or cistern and/or spring water as the source of their residential drinking water. The serum PFOA levels in those who used bottled, spring or cistern water was significantly lower than those in both the Little Hocking water system only and the mixed Little Hocking plus another water source groups ($p = .0004$, and $p = .007$ respectively). The serum PFOA levels

for those who used Little Hocking water system water only and the mixed Little Hocking and another water source were not statistically significantly different ($p=.17$).

The mean serum PFOA levels in those who used any well water as their sole residential drinking water source was variable; this group included some of the lowest and some of the highest PFOA serum concentrations.

Relationship between [PFOA] in primary residential water supply and serum [PFOA] in residents—Figure 2 presents a graphical relationship between PFOA concentrations in drinking water and serum PFOA levels. Three individuals drank from wells where the PFOA was not detectable, their average serum PFOA level was 20.8 ng/mL, (range 13.6 to 31.4 ng/mL). Six individuals used a private well with measurable PFOA in water as their only source of residential drinking water. Although the numbers of individuals for whom the PFOA concentration in well water is known is small, there is an apparent strong relationship between the level of the serum PFOA levels and the PFOA concentration of the drinking water source.

The median serum/drinking PFOA water ratio residents using only the Little Hocking water system was 105 (371/3.55), with an interquartile range between 62 (221/3.55) and 162 (576/3.55). For the six individuals who used a private well with measured [PFOA] as their only source of residential drinking water, the serum/drinking water PFOA ratios ranged from 142 to 855.

Serum PFOA levels and gender, age, years of residence, smoking and alcohol

Serum PFOA level was not significantly different by gender for participants without substantial occupational exposure ($p=.32$). The median [PFOA] for females was 320 ng/mL, IQR 161–509, and for males was 345, IQR 190 to 576.

Serum PFOA concentrations were highest in those aged more than 60, followed by those aged from 2–5, and those aged 51–60 (Figure 3). Participants >60 years were significantly more likely to have higher serum PFOA levels compared to participants in all other age groups except children 2–5 years old ($.0006 < p < .02$).

With regard to residence, only participants over 18 years were examined. Years lived at current residence was grouped into 2–5 years, 6–10 years, 11–15 years, and >15 years. Age was also found to be correlated with years of residence ($r=.6$). Therefore, age was controlled for in the analysis for which no statistically significant association between years lived at current residence and serum PFOA levels was found ($p=0.7$).

The influence of alcohol consumption (consumption of beer wine or liquor in last thirty days) and smoking (current cigarette smoker) were evaluated in all adult participants ages 18 and over who did not have substantial occupational exposure. No significant association was found between serum PFOA levels and smoking ($p=0.28$) or serum PFOA levels and alcohol consumption ($p=0.46$).

Little Hocking Water System Users: Water Usage Variables Affecting Serum PFOA Concentrations

The effect of drinking tap water, eating local fruits and vegetables, meat or fish, or having a carbon water filter on serum PFOA concentrations in Little Hocking Water System Users is shown in Table 5. With increasing tap water drinks per day (at home or at work), PFOA levels increased ($p=.004$). Particularly, participants who drank 8 or more cups of tap water per day (at home or at work) had significantly higher serum PFOA levels compared to other drinking categories ($.002 < p < .004$).

A secondary analysis has been performed, examining air exposure and local vegetable/fruit intake. There was no effect of air exposure on PFOA ($p=.16$) or the interaction between air exposure and local vegetable/fruit intake ($p=.73$). As a result of the lack of association between these 2 variables, air exposure was not included in the GEE model. Similarly, there was a statistically significant increase ($p=0.0002$) in the mean serum [PFOA] associated with increasing numbers of weekly servings of fruits and vegetables from a local garden. Additionally, there was an increase in serum PFOA with servings of meat or game grown or harvested locally ($p=.005$). No association was found between local fish consumption and serum PFOA concentrations.

With regard to water filtration systems, residents using only Little Hocking water system water as their residential drinking water source were divided into 2 groups: those using a home water filter system based on carbon ($N=64$) and those who had no home water filtration system or used a system not known to remove PFOA, or used a system whose type and composition could not be verified ($N=209$). Residents using carbon water filters had significantly lower median serum PFOA levels (318 ng/mL), compared with residents using Little Hocking System water who did not use carbon water filtration (421 ng/mL) ($p=.008$).

Serum PFOA levels and Household Cooking Use of Tap Water

There was no relationship between serum [PFOA] and the use of tap water in cooking for those households using only Little Hocking water system water (Figure 4). When cooking vegetables and pasta, making soups and stews, reconstituting canned soups, reconstituting frozen fruit juices and home canning of vegetables and meats were examined, no statistically significant relationship with serum PFOA levels was found. However a linear trend of increasing serum PFOA levels was observed with increasing use of water for making soups and stews and for home canning of vegetables and meats.

Little Hocking Water System Users: Multivariate Analysis Adjusting for Household Clustering

The model of best-fit included age, tap water drinks per day, fruit and vegetable servings per week from your garden, and use of a carbon filter (Table 6). Eating meat and game grown or harvested locally was not found to be associated with serum PFOA levels in the multivariate analysis.

DISCUSSION

We found that median serum PFOA levels in randomly selected residents of the Little Hocking water service district ranged from 298 to 370 ng/mL, in the order of 60 to 75 times the median levels of approximately 5 ng/mL previously described for general US populations (4,5,6). The majority of serum PFOA levels in these residents exceeded the maximums reported in previous community studies in other geographic locations. For example, the range of serum PFOA levels for 645 U.S. adult blood donors was from 1.9 ng/mL to 52.3 ng/mL (4), for 238 elderly volunteers in Seattle was 1.4 ng/mL to 16.7 ng/mL (5) and for 598 children from across the US was from 1.9 ng/mL to 56.1 ng/mL (9). The serum PFOA levels for the thirty comparison subjects for the Philadelphia area in our study all fell within previously reported normal population ranges.

Our random sampling of residents in the water district included a number of individuals who worked in the production area of a fluoropolymer manufacturing facility located across the Ohio River in Washington, WV. This facility is believed to be the primary source of PFOA pollution in the area. A recent study of workers at this plant found the median serum PFOA level of 490 ng/mL for 259 workers currently working in production areas where PFOA was

used (23). We found a median serum PFOA level of 774 ng/mL for the 18 workers who had worked in the production area at the facility, lived in the Little Hocking water service area, and participated in our study. The median serum PFOA level for these 18 individuals was 284 ng/mL higher than the median reported for all production workers at the facility, suggesting a combination of residential water and occupational contributions to the PFOA body burden. Since all but one of the production workers we studied was selected through stratified random sampling, we consider it unlikely that selection bias could explain this elevation. Workers from non-production areas of the facility included in our sampling did not have significantly increased serum PFOA levels compared with other residents. The serum PFOA levels in non-occupationally exposed community residents in the Little Hocking water service district approached and frequently surpassed those measured in production workers exposed to PFOA at the source fluoropolymer manufacturing plant. These results illustrate that body burdens of pollutants sustained through community environmental exposures are not necessarily less than those sustained through occupational exposure.

We were able to explore other potential occupational exposure contributions to the serum PFOA levels. In addition to use in the manufacture of fluoropolymers, it has been suspected that PFOA may also be a breakdown product of fluorinated telomers. PFOA is used as a surfactant or surface treatment chemical in many products, including fire-fighting foams; personal care and cleaning products; oil, stain, grease and water repellent coatings on carpet; textile leather and paper (21). PFOA has had limited use as a fire suppressant. A study of PFOA in consumer products identified extractable PFOA in carpet-care solution treated carpeting (24). Because PFOA and related fluorinated compounds are currently unregulated, there is relatively little available information on the extent of their use. Based on a qualitative assessment of potential occupational exposure to PFOA in the Southeastern Ohio area, we explored occupational exposure in firefighting, carpet cleaning and carpet installation in addition to potential exposure in the disposal or incineration of PFOA and/or waste from the fluoropolymer manufacturing facility. We did not observe a significant increase in median serum PFOA concentration in any of these occupational groups. It remains possible that in a population with less exposure to PFOA from ambient contamination, and identifiable contributions to the body burden might be found from one or more of these occupational exposures.

Several observations support the conclusion that the major source of the PFOA in Little Hocking water district residents was drinking water. Serum PFOA levels were similar whether residents lived in the area proximate to the plant where the air plume would have been concentrated, or in an area which had the same water service but was located up to 20 miles from the plant and where air pollution with PFOA was estimated to be minimal. Serum PFOA levels were considerably lower in those residents who were currently using only bottled, spring, or cistern water as their drinking water source. Where the primary drinking water source was well water, serum PFOA levels varied in proportion with well water PFOA levels.

The median serum/drinking water PFOA ratio of 105 we observed in Little Hocking water users likely reflects both high PFOA absorption after oral ingestion and a long half-life of PFOA in human blood. In rats, the oral bioavailability of PFOA is approximately 100% (25). The serum half-life varies widely by species and sex: several hours for female rats, about 7 to 10 days for male rats (25); 20.9 days for male and 32.6 days for female cynomolgus monkeys (26). The half-life in humans appears to be much longer. In the one set of data that is available, a study of 9 retirees from a fluoropolymer production facility, the mean serum PFOA half-life was found to be 4.4 years (20). However, we did not find a relationship between serum PFOA levels and length of residence in the Little Hocking water

district among study participants, all of whom had lived in the area for at least two years. If the half-life in the general community is in the order of 4 to 5 years we would have expected to find a significant relationship with duration of residence. Our results thus lead us to question whether the serum PFOA half-life in the general community is as long as that published for the small retired worker group (20). We expect to have more data on this subject from a follow-up study.

In residents who drank only Little Hocking system water the model of best-fit for serum PFOA levels included age, tap water drinks per day, fruit and vegetable servings per week from a local garden, and use of a carbon water filter. The finding that PFOA concentrations were higher in children aged 5 and below and in the elderly aged over 60 is disturbing, since these may represent groups particularly vulnerable to adverse health consequences (27,28). The reason for the higher serum PFOA levels in those aged 60 and above is not entirely clear, multivariate analysis shows the increased consumption of drinking water in this group does not fully explain the observed increase. Both the elderly and those aged 5 and below may spend more time at home with exclusive use of residential water than working or school-age residents. Infants and young children may have proportionately greater exposure to water-borne pollutants since they drink more water per kg of body weight than do adults (28). The levels in the very young may also represent additional exposures as PFOA has been shown to cross the placenta and to be present in breast milk (at approximately 1/10 of the serum concentration) in Sprague Dawley rats (29), although comparable studies in humans are lacking. We are performing further studies to elucidate PFOA exposures in maternal milk and infant formula. A higher serum PFOA level for young children was previously observed by Olsen et al (9) who measured PFOA in the serum of 598 children aged 2–12 who participated in a nationwide US study of Group A Streptococcal infections, 645 adult blood donors from 6 US blood bank donation sites, and 238 elderly subjects in Seattle participating in a study of cognitive function. The geometric mean serum PFOA levels (4.6 ng/mL, 4.2 ng/mL, 4.9 ng/mL respectively) were similar in all groups. However in the children there was a statistically significant negative association with age, with the highest mean serum PFOA levels noted at age 4 and the lowest at age 12. Our failure to find gender differences is consistent with previous observations in the US general population.

The association with the number of servings of fruits and vegetables from the home garden was unexpected. Possible explanations include the use of PFOA containing water for cooking, canning and washing fruits and vegetables, PFOA in the raw fruits and vegetables, and different dietary and drinking habits in those who consume more homegrown fruits and vegetables. We consider it unlikely that PFOA is elevated in raw fruits and vegetables from the garden because as a result of the natural rainfall characteristics it is unusual to water gardens and fruit trees extensively with residential water in this district. Also the association between serum PFOA and servings of fruits and vegetables was not reduced by adjusting for residence in the areas with known higher airborne and soil levels of PFOA. We are undertaking further studies to better understand the observed association.

Individuals using carbon-type water filters for residential drinking water had a reduction of approximately 25% in median serum PFOA levels compared with those not using a filter. This reduction was much less than we have seen for those who drank only bottled, spring or cistern water. Because of limited effectiveness, potential reliability problems associated with the need to maintain the filter system, and potential health problems associated with the use of home filtration systems we do not recommend reliance on home filters to remove PFOA. New water filtration products to remove PFOA are currently being pilot tested, with prospects of wider use in the near future.

The high serum PFOA levels in our study as a result of the relatively high exposure in drinking water, may have limited our ability to detect relatively small increases associated with contributions from ambient air pollution. Thus we cannot exclude the possibility that exposure to PFOA in air could lead to a detectable contribution to the PFOA body burden in other populations with minimal water exposure.

Our finding that the major source of serum PFOA was residential drinking water has helped empower those in the community who may choose to lower their PFOA exposure, with a view to lowering their body burden. As a result of our preliminary findings that the levels of PFOA were abnormally high in residents of the Little Hocking water district, and that the major non-occupational PFOA source was residential drinking water, the option of free bottled drinking water has been made available through the Little Hocking Water Association to those with this water service. More than half of the residents are already taking advantage of this offer. In addition, a new water filtration system designed to remove PFOA is now planned. We would anticipate that these actions should result in reduced serum PFOA levels. We plan to monitor changes in serum PFOA levels in the study group over the next eighteen months, to determine the extent of any serum PFOA reductions.

Identification of water as the major route of community exposure to PFOA in this population should encourage efforts to define exposure sources in other populations, and should provide a basis for personal and regulatory efforts to reduce human exposure to a pollutant which is of concern because of remarkable persistence in both the environment and in humans.

Acknowledgments

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Figure 1. Map showing the locations of the studied communities and the source facility

Subjects for the minimal air exposure group were selected from the area shown in yellow, subjects for the higher air exposure group from the area shown in red. Residents in both of these areas obtained their water from the same public residential water supply. The location of the source facility is shown in black. The residents lived in Ohio, the source facility is located in West Virginia. The state boundary, the Ohio River, is shown in blue.

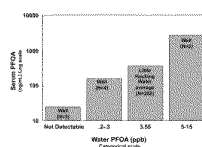


Figure 2. Relationship of PFOA Concentration in Water Source (Little Hocking & Private Wells) to Serum PFOA Levels

The numbers in parenthesis indicate the number of samples. Although the number of observations from persons using only residential well-water source is small, there is a marked and statistically significant relationship between the PFOA levels in serum and the PFOA concentration in the residential drinking water source. Only subjects 6 years of age or older using a single residential drinking water source were included in the analysis.

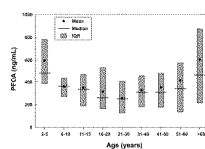


Figure 3. Distribution of Serum PFOA Levels in ng/mL by age
Residents >60 years had significantly higher serum PFOA levels compared to all other age groups except children age 2–5 years old

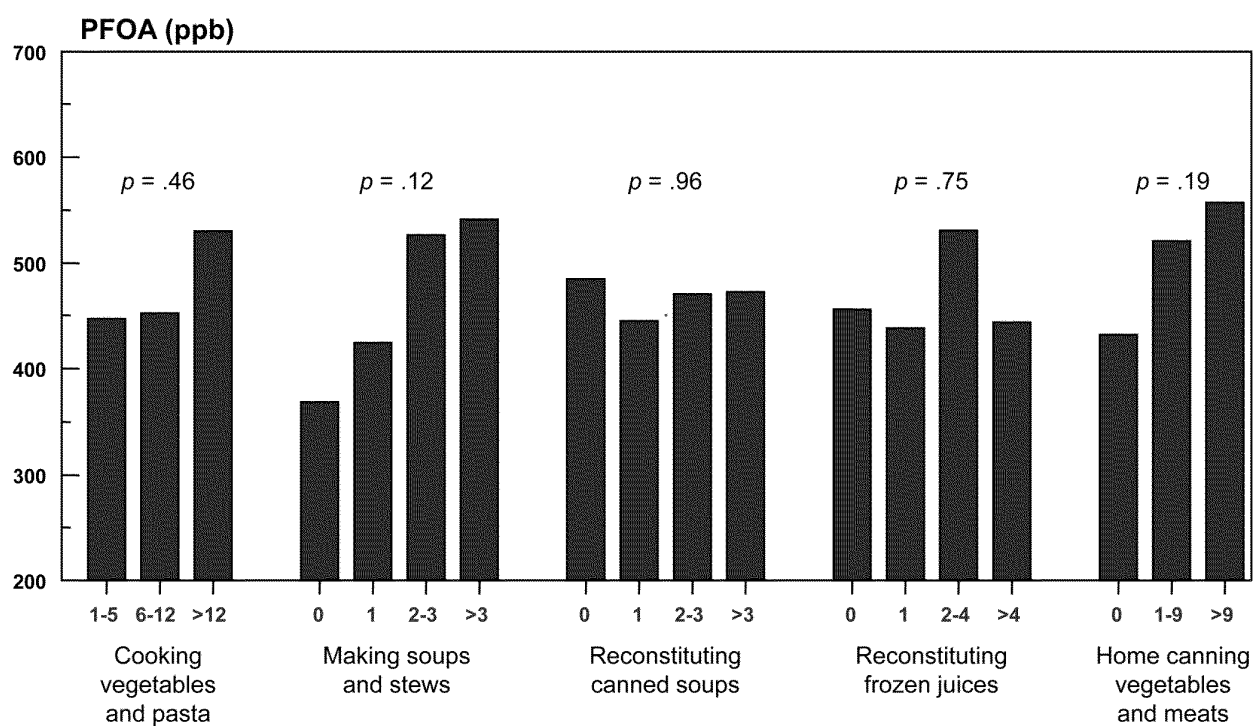


Figure 4. Distribution of serum PFOA levels in ng/mL, within household^a for cooking tap water usage^b (Amounts are servings per week)

^a PFOA levels represents average household value

^b Households using Little Hocking water system only

Table 1

Household Participation Rates for Randomly Selected Households by Community.

	Households Invited to Participate	# Agreeing to Participate	# Completing Data Acquisition	Participation Rate
Little Hocking	78	45	38	48.7
Belpre	17	8	7	41.2
Cutler	101	45	30	29.7
Vincent	241	115	86	35.7
TOTAL	437	213	161	36.8

Table 2

Serum [PFOA] ng/mL by Occupational Exposure Group

Occupational Exposure	N	Median	Mean	IQR
NO OCCUPATIONAL EXPOSURE	312	329	423	175–537
POTENTIAL OCCUPATIONAL EXPOSURES ^a	48	388	406	168–623
Firefighter: voluntary, military, company employee or paid	29	447	453	236–709
Non-production area of fluoropolymer facility, in production area not meeting criteria for substantial occupational exposure, or requiring visits to facility.	18	381	386	125–430
Carpet cleaning, retreating carpets or rugs, or in professional carpet installation	13	302	408	191–631
Facility processing or disposing fluoropolymer production waste	8	253	578	115–918
SUBSTANTIAL OCCUPATIONAL EXPOSURE [Production area within a facility in which PFOA was used in the production process >1 year and last exposure having occurred within previous 10 years]	18	775	824	422–999

^aSome individuals had more than one potential occupational exposure, therefore N for the potential occupational exposure subgroups does not total to 48.

Table 3

Serum [PFOA] in ng/ml by community area, for randomly selected participants and for all participants^a.

Community Areas with Higher Expected Contribution from Air	Randomly Selected Participants				All Participants (local volunteers and randomly selected)			
	N	Mean	Median	IQR	N	Mean	Median	IQR
Belpre	14	321	298	83–533	30	307	244	103–445
Little Hocking	74	478	327	187–572	92	458	311	175–567
TOTAL	88	453	326	176–568	122	421	298	155–556
Community Areas with Minimal Expected Contribution from Air								
	N	Mean	Median	IQR	N	Mean	Median	IQR
Cutler	59	361	316	169–477	70	380	314	185–477
Vincent	160	439	370	190–570	168	438	370	188–577
TOTAL	219	418	368	182–555	238	421	361	186–555

^a 18 subjects with substantial occupational exposure were excluded from analysis.

Table 4

Serum [PFOA] in ng/ml by primary residential source of drinking water^{a,b}. All Participants (randomly selected and local volunteers)

Drinking Water Source	N	Median	Mean	IQR	Range
Little Hocking system water only	291	374	448	221–576	7–1950
Little Hocking system plus bottled or spring	26	320	358	206–370	72–1280
Bottled and/or cistern and/or spring only [*]	10	71	154	49–217	12–527
Well water and well & other	26	79	296	28–155	8–4520

^a Subjects with substantial occupational exposure to PFOA were excluded from these analyses

^b 7 subjects did not indicate residential source of drinking water

^{*} Significantly different from Little Hocking water only (p=.003) and Little Hocking system plus bottled or spring water (p=.05)

Table 5

Serum [PFOA] ng/mL, number of tap water drinks per day, consumption of local meat and game, fish, vegetables and fruits and use of carbon water filter^a

Factor		N	Mean ^b	Median	IQR	pr > t
Tap water drinks/day	0	20	374	301	233–423	<.0001
	1–2	40	324	265	176–438	
	3–4	66	413	370	206–550	
	5–8	90	450	373	242–373	
	>8	55	565	486	294–486	
Local Meat	0	157	389	329	179–498	0.018
	1–20	49	488	451	246–690	
	>20	77	516	424	295–595	
Local Fish	No	273	448	374	221–571	0.8958
	Yes	18	458	398	290–681	
Fruit and vegetables from your garden	0	133	356	295	174–485	<.0001
	1–20	75	458	420	264–661	
	>20	77	571	469	308–802	
Carbon Water Filter ^c	Yes	64	360	318	170–482	0.0005
	No	209	493	421	258–631	

^a Little Hocking water source only

^b Means adjusted for age unless otherwise indicated

^c Not adjusted for age

Table 6

Results of Application of General Estimating Equations (GEE)

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	110.54	58.10	-3.34	224.42	1.9	0.0571
Vegetable and fruit from your garden servings/week	62.31	20.96	21.23	103.39	2.97	0.0029
Tap water drinks/day	5.93	2.02	1.97	9.88	2.94	0.0033
Age (yrs)	3.53	1.03	1.50	5.55	3.42	0.0006
No carbon filter use	104.92	35.86	34.65	175.20	2.93	0.0034

Note: This analysis includes only participants from households using Little Hocking water system only. Participants with substantial occupational exposure were excluded

To: Beck, Nancy[beck.nancy@epa.gov]
From: Dourson, Michael
Sent: Fri 10/27/2017 2:20:23 PM
Subject: RE: Senior Leader Ranking of 2017 Enterprise Risks Requested by November 3, 2017

Nancy

I presume that we two should work collectively on this? What about Louise, Rick, Jeff, and Charlotte?

Cheers!

Mike

From: Bloom, David
Sent: Thursday, October 26, 2017 5:23 PM
To: Minoli, Kevin <Minoli.Kevin@epa.gov>; Assistant Administrators <Assistant_Administrators@epa.gov>; Elkins, Arthur <Elkins.Arthur@epa.gov>; Packard, Elise <Packard.Elise@epa.gov>; DAA-Career <DAACareer@epa.gov>; DAA-Non-Career <DAANonCareer@epa.gov>; Associate Administrators <Associate_Administrators@epa.gov>; Deputy Associate Administrators <Deputy_Associate_Administrators@epa.gov>; Regional Administrators <Regional_Administrators@epa.gov>; DRA <DRA@epa.gov>
Cc: Flynn, Mike <Flynn.Mike@epa.gov>; Darwin, Henry <darwin.henry@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>; Bloom, David <Bloom.David@epa.gov>; Greaves, Holly <greaves.holly@epa.gov>; Brown, Byron <brown.byron@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Greenwalt, Sarah <greenwalt.sarah@epa.gov>; Bodine, Susan <bodine.susan@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>; Wooden-Aguilar, Helena <Wooden-Aguilar.Helena@epa.gov>; Osborne, Howard <Osborne.Howard@epa.gov>; Associate Assistant Administrator <Associate_Assistant_Administrator@epa.gov>; OBrien, Kathy <Obrien.Kathy@epa.gov>; Brookshire, Malena <Brookshire.Malena@epa.gov>; Gross, Hayley <gross.hayley@epa.gov>; Francois, Jahan <francois.jahan@epa.gov>
Subject: Senior Leader Ranking of 2017 Enterprise Risks Requested by November 3, 2017

The purpose of this email is to request your ranking of the agency's top risks resulting from the risk assessments completed for the strategic objectives in the draft *FY 2018-2022 EPA Strategic Plan*. By November 3, please complete the [SurveyMonkey](#) poll to rank order your top 3 enterprise risks from the list of the 27 significant risks identified in the risk assessments. Please note that we are asking each of the addressees in the "To" line to complete the poll.

For your convenience, we have included the complete list of the 27 significant risks (Chart A).

As context for your ranking, we developed visual analyses that show the relationship among the 27 significant risks (Charts B and C). Chart D shows the relationship between major significant risk groupings, the reform plan areas, and strategic measures.

After this ranking is complete, we will share with senior leaders the results and proposed next steps to address the enterprise risks, leveraging reform action plans as appropriate. The identified enterprise risks will be used to develop EPA's Enterprise Risk Profile, which will be the basis for reporting progress to OMB on our mitigation efforts in FY 2018. We will assess agency progress regularly in mitigating the enterprise risks as part of the Administrator's Quarterly Reviews, and will consider risks to inform agency decisions about resources and strategies to advance our priorities.

I appreciate your input and look forward to working with you as we continue to advance risk-based decision making at EPA. If you have questions, please contact me or your staff may contact [Hayley Gross](#) at (202) 564-0177 or [Jahan Francois](#) at (202) 564-6608.

Thanks,

David

David Bloom

Acting Chief Financial Officer

Office of the Chief Financial Officer

U.S. Environmental Protection Agency

202-564-1151

To: Hanley, Mary[Hanley.Mary@epa.gov]
From: Dourson, Michael
Sent: Mon 10/30/2017 6:44:06 PM
Subject: Re: QFRs

Mary

Thanks. I will look forward to your first draft of responses. Please let me know if you need anything.

Cheers!

Michael

Sent from my iPad

On Oct 30, 2017, at 12:35 PM, Hanley, Mary <Hanley.Mary@epa.gov> wrote:

Mike,

Attached are Senator Carson's Qs and our As from the previous round. Note that the incoming does not point us to specific questions and instead describes groups of questions. Sven is following up with the Senator's staff to find out which questions that are referring to.

Cheers
M

<FINAL Dourson QFRs 10.12.2017.pdf>

To: Morris, Jeff[Morris.Jeff@epa.gov]
From: Dourson, Michael
Sent: Wed 12/6/2017 4:00:22 PM
Subject: RE: IRIS Agency Review - Ex. 5 - Deliberative Process

Thanks, Jeff. Nice answer to Dennison's first question.

From: Morris, Jeff
Sent: Tuesday, December 5, 2017 7:13 AM
To: Dourson, Michael <dourson.michael@epa.gov>; Beck, Nancy <Beck.Nancy@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
Subject: RE: IRIS Agency Review - Ex. 5 - Deliberative Process

Good morning, Michael. I believe Iris and others in RAD would have reviewed.

Jeff

From: Dourson, Michael
Sent: Tuesday, December 05, 2017 6:59 AM
To: Beck, Nancy <Beck.Nancy@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Morris, Jeff <Morris.Jeff@epa.gov>
Subject: FW: IRIS Agency Review - Ex. 5 - Deliberative Process

Dear Nancy, Charlotte and Jeff

So who in your shop served as a reviewer of the Ex. 5 - Deliberative Process document?

Cheers!

Michael

From: Thayer, Kris

Sent: Monday, December 4, 2017 4:45 PM

To: Beck, Nancy <Beck.Nancy@epa.gov>; Yamada, Richard (Yujiro) <yamada.richard@epa.gov>; Rodan, Bruce <rodan.bruce@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>; Morris, Jeff <Morris.Jeff@epa.gov>; Henry, Tala <Henry.Tala@epa.gov>; Orme-Zavaleta, Jennifer <Orme-Zavaleta.Jennifer@epa.gov>; Hanley, Mary <Hanley.Mary@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>

Cc: Scheifele, Hans <Scheifele.Hans@epa.gov>

Subject: IRIS Agency Review - Ex. 5 - Deliberative Process

Please find attached the Ex. 5 - Deliberative Process discussed last week, which is currently being circulated for Agency comment.

Please note that the Ex. 5 - Deliberative Process is largely finished; this protocol, which would typically be prepared at the start of assessment development, is provided for consistent documentation of assessment methods. In addition, the distribution list is larger than typical because it expands our list of Agency reviewers to include participants in our discussions of the IRIS Handbook.

Thanks

Kristina Thayer, Ph.D.

Director, Integrated Risk Information System (IRIS) Division

National Center for Environmental Assessment, NCEA

ORD, USEPA

Mail Code: B243-01

Building: Bldg B (Room B211I)

Research Triangle Park, NC 27711

(919) 541-0152 RTP

(202) 564-1771 Ronald Reagan Building (room 51203)

Skype: kristina.thayer

thayer.kris@epa.gov

From: Soto, Vicki

Sent: Monday, December 4, 2017 4:35 PM

To: Miller, Gregory <Miller.Gregory@epa.gov>; Lowit, Anna <Lowit.Anna@epa.gov>; Laessig, Susan <Laessig.Susan@epa.gov>; Hamernik, Karen <Hamernik.Karen@epa.gov>; Raffaele, Kathleen <raffaele.kathleen@epa.gov>; Murphy, Deirdre <Murphy.Deirdre@epa.gov>; Hoyer, Marion <hoyer.marion@epa.gov>; Vasu, Amy <Vasu.Amy@epa.gov>; Axelrad, Daniel <Axelrad.Daniel@epa.gov>; Dzubow, Rebecca <Dzubow.Rebecca@epa.gov>; Cassidy, Meghan <Cassidy.Meghan@epa.gov>; Olsen, Marian <Olsen.Marian@epa.gov>; Gehlhaus, Martin <Gehlhaus.Martin@epa.gov>; Pollard, Solomon <Pollard.Solomon@epa.gov>; Adams, Glenn <Adams.Glenn@epa.gov>; Mangino, Mario <mangino.mario@epa.gov>; Milburn, Anna <Milburn.Anna@epa.gov>; Schumacher, Kelly <Schumacher.Kelly@epa.gov>; Griffin, Susan <Griffin.Susan@epa.gov>; Hiatt, Gerald <Hiatt.Gerald@epa.gov>; Kissinger, Lon <Kissinger.Lon@epa.gov>; Axelrad, Daniel <Axelrad.Daniel@epa.gov>; Barone, Stan <Barone.Stan@epa.gov>; Schappelle, Seema <Schappelle.Seema@epa.gov>; Markey, Kristan <Markey.Kristan@epa.gov>; Camacho, Iris <Camacho.Iris@epa.gov>; Henry, Tala <Henry.Tala@epa.gov>; Lowit, Anna <Lowit.Anna@epa.gov>; Foster, Stiven <Foster.Stiven@epa.gov>; Raffaele, Kathleen <raffaele.kathleen@epa.gov>; Murphy, Deirdre <Murphy.Deirdre@epa.gov>; Mazza, Carl <Mazza.Carl@epa.gov>; Ohanian, Edward <Ohanian.Edward@epa.gov>; Strong, Jamie <Strong.Jamie@epa.gov>; Firestone, Michael <Firestone.Michael@epa.gov>; Gibbons, Catherine <Gibbons.Catherine@epa.gov>; Radke-Farabaugh, Elizabeth <radke-farabaugh.elizabeth@epa.gov>; Kraft, Andrew <Kraft.Andrew@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>; Sams, Reeder <Sams.Reeder@epa.gov>; Birchfield, Norman <Birchfield.Norman@epa.gov>; Glenn, Barbara <Glenn.Barbara@epa.gov>; Hogan, Karen <Hogan.Karen@epa.gov>; Pratt, Margaret <pratt.margaret@epa.gov>; Luke, April <Luke.April@epa.gov>; Woodall, George <Woodall.George@epa.gov>; 'Patel.Molini@epa.gov' <Patel.Molini@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>;

Fritz, Jason <Fritz.Jason@epa.gov>; Olsen, Marian <Olsen.Marian@epa.gov>; Rogers, John M. <Rogers.John@epa.gov>; Vasu, Amy <Vasu.Amy@epa.gov>; Dzubow, Rebecca <Dzubow.Rebecca@epa.gov>; Newhouse, Kathleen <Newhouse.Kathleen@epa.gov>; Kirk, Andrea <Kirk.Andrea@epa.gov>; Hospital, Jocelyn <Hospital.Jocelyn@epa.gov>; Dishaw, Laura <Dishaw.Laura@epa.gov>; Galizia, Audrey <Galizia.Audrey@epa.gov>; Persad, Amanda <Persad.Amanda@epa.gov>; Dockins, Chris <Dockins.Chris@epa.gov>; Hotchkiss, Andrew <Hotchkiss.Andrew@epa.gov>; Fallace, Katherine <fallace.katherine@epa.gov>; Yaquian-Luna, Jose <yaquian-luna.josea@epa.gov>; Druwe, Ingrid <Druwe.Ingrid@epa.gov>; Davis, Allen <Davis.Allen@epa.gov>; Beck, Nancy <Beck.Nancy@epa.gov>; Pardo, Larissa <Pardo.Larissa@epa.gov>; Sasso, Alan <Sasso.Alan@epa.gov>; Berner, Ted <Berner.Ted@epa.gov>; Stohs, Sheryl <stohs.sheryl@epa.gov>; Griffiths, Charles <Griffiths.Charles@epa.gov>; Hodes, Colette <Hodes.Colette@epa.gov>; Morris, Jeff <Morris.Jeff@epa.gov>; Soares, Barbara <soares.barbara@epa.gov>; Congleton, Johanna <congleton.johanna@epa.gov>; Owens, Beth <Owens.Beth@epa.gov>
Cc: Burgess, Michele <Burgess.Michele@epa.gov>; Euling, Susan <Euling.Susan@epa.gov>; Bussard, David <Bussard.David@epa.gov>; Thayer, Kris <thayer.kris@epa.gov>; Ramasamy, Santhini <Ramasamy.Santhini@epa.gov>; Avery, James <Avery.James@epa.gov>; Shams, Dahnish <Shams.Dahnish@epa.gov>; Soto, Vicki <Soto.Vicki@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Gatchett, Annette <Gatchett.Annette@epa.gov>; Rieth, Susan <Rieth.Susan@epa.gov>; Morozov, Viktor <Morozov.Viktor@epa.gov>; Subramaniam, Ravi <Subramaniam.Ravi@epa.gov>; Lee, Janice <Lee.JaniceS@epa.gov>; Hawkins, Belinda <Hawkins.Belinda@epa.gov>

Subject: IRIS Agency Review

Ex. 5 - Deliberative Process

Dear IRIS Agency Reviewers –

We are pleased to provide the Ex. 5 - Deliberative Process for your review. Please note that Ex. 5 - Deliberative Process is largely finished; this protocol, which would typically be prepared at the start of assessment development, is provided for consistent documentation of assessment methods. This document is being shared with the group that has been meeting with the IRIS Program to discuss systematic review, and so is broader than the usual review group. Please combine all comments from an office or region into a single document (see Agency Review contact list below).

We are now sharing all review documents on the IRIS Agency SharePoint site, located here: https://usepa.sharepoint.com/sites/ORD_Work/IRISagencyreview/SitePages/Home.aspx (see the Review Documents section). Three specific notes for this review are provided below:

- Please focus comments only on substantive issues.
- ~~Combine all~~ comments from an office or region into a single document, then upload to the Ex. 5 - Deliberative Process on the SharePoint site.
- Post all comments to the SharePoint site by **COB Monday, December 18**

In addition to this protocol, we want to call your attention to the following dates coming up in the near future:

- Agency review of protocol template (to be distributed **December 8**, comments requested by **January 12**)
- Update on the IRIS Handbook (meeting on **January 16**, revised draft to be distributed for review soon after)

Thank you for your participation in EPA's IRIS Program. We appreciate your scientific input on IRIS draft documents. Please let us know if you have any questions.

Office of Water

Ex. 6 - Personal Privacy

Office of Chemical Safety and Pollution Prevention

- Office of Pesticide Programs

Ex. 6 - Personal Privacy

- Office of Pollution Prevention and Toxics

Ex. 6 - Personal Privacy

- Office of Science Coordination and Policy

Office of Land and Emergency Management Kathleen Raffaele

Office of Air and Radiation

Ex. 6 - Personal Privacy

Office of Policy

Ex. 6 - Personal Privacy

Office of Children's Health Protection

Ex. 6 - Personal Privacy

Region 1

Region 2

Ex. 6 - Personal Privacy

Region 3

Region 4

Region 5

Region 6

Region 7

Region 8

Region 9

Region 10

Ex. 6 - Personal Privacy

Vicki Soto | 202-564-3077 (new!) | soto.vicki@epa.gov
ORD/NCEA

Mailing Address:

USEPA Headquarters | William Jefferson Clinton Building | 1200 Pennsylvania Avenue, N.W. | MC: 8601P |
Washington, DC 20460

To: Beck, Nancy[beck.nancy@epa.gov]; Yamada, Richard (Yujiro)[yamada.richard@epa.gov]; Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]
From: Dourson, Michael
Sent: Tue 11/21/2017 11:55:13 AM
Subject: RE: Upcoming Workshop: Review of Advances Made to the IRIS Process

Nancy, thanks for this information.

Richard, let's chat about some charge questions for this meeting. You can call me any time this week at Ex. 6 - Personal Privacy or if you are in Ohio over the holiday and near Mansfield, let me know and we can go out for a coffee or lunch...

Cheers!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

From: Beck, Nancy
Sent: Monday, November 20, 2017 3:52 PM
To: Yamada, Richard (Yujiro) <yamada.richard@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
Subject: Fwd: Upcoming Workshop: Review of Advances Made to the IRIS Process

Nancy B. Beck, Ph.D., DABT
Deputy Assistant Administrator, OCSPP
P: 202-564-1273
M: Ex. 6 - Personal Privacy
Beck.Nancy@epa.gov

Begin forwarded message:

From: Board on Environmental Studies and Toxicology <best@nas.edu>
Date: November 20, 2017 at 3:47:25 PM EST
To: <beck.nancy@epa.gov>
Subject: Upcoming Workshop: Review of Advances Made to the IRIS Process
Reply-To: Board on Environmental Studies and Toxicology <best@nas.edu>

[View this email in your browser](#)

Upcoming Workshop: Review of Advances Made to the IRIS Process

A committee of the National Academies of Sciences, Engineering, and Medicine will hold a workshop on **February 1-2, 2018, in Washington, DC**, to review advances made to the Integrated Risk Information System (IRIS). At the request of the US Environmental Protection Agency (EPA), this committee will assess changes that have been implemented (or plan to be implemented) by EPA in response to recommendations made in previous National Academies reports, such as *Review of EPA's Integrated Risk Information System (IRIS) Process* and *Review of the Environmental Protection Agency's Draft IRIS Assessment of Formaldehyde*. This public workshop will serve as a venue for EPA to present its changes to the IRIS program and to provide an opportunity for stakeholder input on the changes to the program. The committee will base its assessment on information received at this workshop. Registration is required to attend. For more information and updates, please visit our website: <http://dels.nas.edu/best>

Register Here

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Our mailing address is:

500 5th St NW Washington, DC 20001 best@nas.edu

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Division on Earth and Life Studies · 500 Fifth Street NW · Washington, DC 20001 · USA

To: Anderson, Brian[Anderson.Brian@epa.gov]
From: Dourson, Michael
Sent: Fri 11/17/2017 1:57:42 AM
Subject: RE: monitoring language per our discussion this afternoon

Brian

Thanks!

Michael

From: Anderson, Brian
Sent: Monday, November 13, 2017 4:59 PM
To: Dourson, Michael <dourson.michael@epa.gov>
Cc: Echeverria, Marietta <Echeverria.Marietta@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>
Subject: monitoring language per our discussion this afternoon

Hi Mike,

Below is the revised language we discussed at 3:30 today. We are concerned with the language as it was written in the draft letter because

Ex. 5 - Deliberative Process

t

Ex. 5 - Deliberative Process

Please feel free to give me a call at 703.305.0067 if you have any questions.

Thanks,

Brian

Old Language

Ex. 5 - Deliberative Process

Revised Language

Ex. 5 - Deliberative Process

To: Jackson, Ryan[jackson.ryan@epa.gov]
Cc: Beck, Nancy[beck.nancy@epa.gov]; Bertrand, Charlotte[Bertrand.Charlotte@epa.gov];
Keigwin, Richard[Keigwin.Richard@epa.gov]; Sands, Jeffrey[sands.jeffrey@epa.gov]
From: Dourson, Michael
Sent: Tue 11/7/2017 10:41:58 PM
Subject: Endangered Species

Ryan

Do you have time later today or tomorrow to talk about a conversation I had with Dave
Barnhardt of DOI?

Cheers!

Michael

To: Ramasamy, Santhini[Ramasamy.Santhini@epa.gov]; Beck, Nancy[beck.nancy@epa.gov]
From: Dourson, Michael
Sent: Sat 11/25/2017 5:38:34 PM
Subject: RE: Happy Thanksgiving

Santhini

Thanks so much. I wish you a happy thanksgiving as well...

Michael

From: Ramasamy, Santhini
Sent: Wednesday, November 22, 2017 3:39 PM
To: Beck, Nancy <Beck.Nancy@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>
Subject: Happy Thanksgiving

Dear Nancy and Mike,

Wishing you both a Happy Thanksgiving!

-Santhini

Santhini Ramasamy, PhD, MPH, DABT
Acting Branch Chief
Effects Identification and Characterization Group
National Center for Environmental Assessment
Office of Research and Development
U.S. Environmental Protection Agency
Office: 202 564 8328
Mobile: Ex. 6 - Personal Privacy

To: Message from the Administrator[messagefromtheadadministrator@epa.gov]
From: Dourson, Michael
Sent: Tue 12/19/2017 9:48:51 PM
Subject: RE: Holiday Greetings

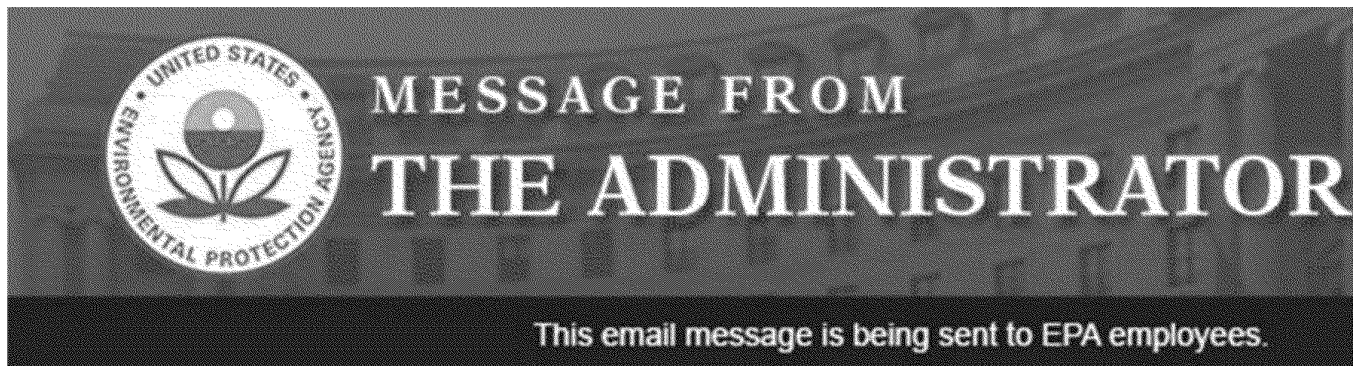
Dear Mr. Pruitt

May your family gatherings reflect the joy of the season and the celebration of a special birth!

His Peace!

Michael Dourson

From: Message from the Administrator
Sent: Tuesday, December 19, 2017 3:31 PM
To: Message from the Administrator <messagefromtheadadministrator@epa.gov>
Subject: Holiday Greetings



Dear Colleagues,

It has been both an honor and a privilege to work alongside each of you in this first year serving as Administrator. I am appreciative of the role each of you play in advancing environmental

stewardship across the country and am proud to serve the American public alongside such dedicated and professional staff.

As 2017 comes to a close, we can look back on a year that focused on bringing EPA back-to-the-basics — clean air, land, and water — and working collaboratively with the states and tribes to provide regulatory certainty to American businesses.

Over the past year, we have successfully begun the process of reviewing more than a dozen major rules and more than two dozen regulatory actions to ensure they are within the bounds of the authority that Congress has granted this Agency. And, we have opened up new avenues of stakeholder engagement from public hearings on the Clean Power Plan to a relaunch of EPA's Smart Sectors Program. Thanks to tireless work by so many of you, EPA has also been vital in the preparedness, relief and recovery efforts around hurricanes Harvey, Irma and Maria and the California wildfires.

I also want to thank all of you for the welcome you extended me and so many other new colleagues through this change in Administrations. We are all truly grateful for your assistance through the transition process. Working together, we can continue to make great strides in protecting the environment and public health in 2018.

I wish you and your families a joyful holiday season and a very Merry Christmas and Happy New Year.

Administrator Pruitt

To: Bowman, Liz[Bowman.Liz@epa.gov]
From: Dourson, Michael
Sent: Wed 12/13/2017 5:52:30 PM
Subject: RE: And one other question, with document pasted in, thank you.

Liz

Ex. 6 - Personal Privacy Since the
reporter has a 2 pm deadline today, I will give you some written responses (see in red text
below). Of course, please feel free to give me a call at 202 564-2463 (office) **Ex. 6 - Personal Privacy**

Cheers!

Michael

From: Bowman, Liz
Sent: Wednesday, December 13, 2017 10:11 AM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: FW: And one other question, with document pasted in, thank you.

For discussion today

From: Kaplan, Sheila [mailto:sheila.kaplan@nytimes.com]
Sent: Wednesday, December 13, 2017 10:07 AM
To: Bowman, Liz <Bowman.Liz@epa.gov>
Subject: And one other question, with document pasted in, thank you.

Dear Ms. Bowman,

I would also like to ask Mr. Dourson about the letter below. It is from one of his co-authors, about a paper he and they did on TBBPA. It states that the paper is being shown to the ACC for editing, before being submitted to JAT.

I understand from talking to various bioethicists, and reading extensively on conflict of interest

rules for academics, that this practice is frowned on for university researchers who accept funds from an outside source. Can Mr. Dourson please comment on why he and his co-authors did that in this case? is it his usual practice to run papers by funders before publication? if so, can he please say why he is comfortable doing that? What am I missing here?

Thank you,

Sheila Kaplan

Dear Ms. Kaplan

The publication is a joint effort between the University of Cincinnati, College of Medicine and the American Chemistry Council. Scientists from both organizations are participants in this research and funding is derived from both organizations. In such cases it is typical to solicit scientific reviews from both organizations in addition to the journal's independent peer review. This protocol was followed as the email below demonstrates.

Sincerely,

Michael L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

(working at home today)

Ex. 6 - Personal Privacy

From: Pecquet, Alison (pecqueam) [mailto:pecqueam@ucmail.uc.edu] **Sent:** Wednesday, July 19, 2017 4:01 PM

To: Dourson, Michael (doursoml);

neeraja.erraguntla@gmail.com **Subject:** FINAL TBBPA Manuscript

Hello co-authors,

Attached is a final draft of the TBBPA paper that Neeraja has kindly agreed to submit to ACC for

review. Once comments are received from ACC and addressed, we will be moving forward with the submission to the Journal of Applied Toxicology ASAP. I wanted to note a few changes that have been made since the last version so that you all have a final chance to read and review:

Changed the default body weight to 70 kg. After reviewing the OEHHA website and previous NSRLs, I changed the body weight to 70 to be the most consistent with their previous assessments. I added justification for this change in the footnotes.
Along these lines, I changed the animal body weight from 0.297 to 0.268, which is the average weight of the female rats in the control group from the NTP study (just a bit more accurate, but does not significantly change the outcomes or NSRLs).

These two changes raised the NSRL from 55 to 60 mg/day
Added a paragraph on the choice of uterine tumors as the critical effect (as compared to other tumor types, see page 21). This was previously not included in our paper.
I added a few more sentences on why we did not include the Yang et al. assessment when comparing our value to RfDs.
Additional minor wording changes throughout.

017

Please let me know if anyone has any additional comments over the next week or so while ACC is reviewing, but I am hoping this is pretty much done.

Thanks to you all for your contributions. Fingers crossed ACC is on board and responds quickly so we can get this submitted.

Let me know if there are questions or concerns.

Ali

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American Chemistry Council, 700 – 2nd Street NE, Washington, DC 20002,
www.americanchemistry.com

301-312-6362

--

Sheila Kaplan

Reporter, Washington Bureau

The New York Times

Office: (202) 862-0312

Cell: (415) 305-7305

To: Hanley, Mary[Hanley.Mary@epa.gov]
From: Dourson, Michael
Sent: Tue 11/7/2017 10:14:33 PM
Subject: RE: Link to the New Chemical Categories Document

Mary

Hmm... maybe. Perhaps you can send this along with the “lung” letter.

Thanks!

Michael

From: Hanley, Mary
Sent: Tuesday, November 7, 2017 4:43 PM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: RE: Link to the New Chemical Categories Document

Mike,

This document has not been updated though they are working on that. There are new category descriptions such as done along with the lung tox letter. Have you seen that?

Cheers
M

From: Dourson, Michael
Sent: Tuesday, November 07, 2017 4:08 PM
To: Hanley, Mary <Hanley.Mary@epa.gov>
Subject: RE: Link to the New Chemical Categories Document

Mary

Thanks. Quick question. How does this document work in the new LCSA? No hurry in the answer. Just curious.

Cheers!

Michael

From: Hanley, Mary
Sent: Monday, November 6, 2017 12:55 PM
To: Dourson, Michael <dourson.michael@epa.gov>; Beck, Nancy <Beck.Nancy@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
Subject: FW: Link to the New Chemical Categories Document

Please find the link attached. I also printed copies for you.

From: Schweer, Greg
Sent: Monday, November 06, 2017 11:19 AM
To: Hanley, Mary <Hanley.Mary@epa.gov>; Schmit, Ryan <schmit.ryan@epa.gov>
Cc: Canavan, Sheila <Canavan.Sheila@epa.gov>
Subject: Link to the New Chemical Categories Document

Mary and Ryan,

At the New Chemicals Mtg last Thursday afternoon, Nancy B. and Mike D. asked that they be sent the link to the New Chemical Categories Document. The link is as follows. I presume that one of you should send the link to them.

<https://www.epa.gov/reviewing-new-chemicals-under-toxic-substances-control-act-tsca/chemical-categories-used-review-new>

Greg Schweer, Chief

New Chemicals Management Branch (MC- 7405M)

U.S. EPA, Office of Pollution Prevention and Toxics

Phone: 202-564-8469

Fax: 202-564-9490

To: Mottley, Tanya[Mottley.Tanya@epa.gov]; Beck, Nancy[beck.nancy@epa.gov]; Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]
Cc: Morris, Jeff[Morris.Jeff@epa.gov]; Pierce, Alison[Pierce.Alison@epa.gov]
From: Dourson, Michael
Sent: Sat 11/25/2017 5:37:07 PM
Subject: RE: New Chemicals Public Meeting Draft Slides

Tanya

Thanks!

Michael

From: Mottley, Tanya
Sent: Wednesday, November 22, 2017 3:29 PM
To: Beck, Nancy <Beck.Nancy@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>
Cc: Morris, Jeff <Morris.Jeff@epa.gov>; Pierce, Alison <Pierce.Alison@epa.gov>
Subject: New Chemicals Public Meeting Draft Slides

Nancy/Charlotte/Mike,

Please see attached slides for Maria's 1:30 pm presentation on the Decision Guidelines Manual (recall the handout for this discussion is an outline, not the actual guidelines manual which will take time to update). Greg Schweer will serve as a moderator for the Points to Consider discussion, so he has no slides. The other presentations will be provided on Monday, 11/27.

Tanya

To: Jackson, Ryan[jackson.ryan@epa.gov]
From: Dourson, Michael
Sent: Tue 11/7/2017 12:43:49 AM
Subject: RE: TCE and Dioxane

Ryan

See my tweaks below...

Michael

From: Jackson, Ryan
Sent: Monday, November 6, 2017 7:32 PM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: RE: TCE and Dioxane

Can I say:

Ex. 5 - Deliberative Process

From: Dourson, Michael
Sent: Monday, November 6, 2017 7:08 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: RE: TCE and Dioxane

Ryan

Here is a laundered version of the first bullet below:

Ex. 5 - Deliberative Process

Sorry!

Michael

From: Dourson, Michael
Sent: Monday, November 6, 2017 7:03 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: TCE and Dioxane

Ryan

Here is some information that may be helpful for TCE:

Ex. 5 - Deliberative Process

Cited by 509.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Some information for 1,4-dioxane that might be helpful is:

Ex. 5 - Deliberative Process

Cheers!

Michael

To: Bolen, Derrick[bolen.derrick@epa.gov]
From: Dourson, Michael
Sent: Thur 11/9/2017 3:50:16 PM
Subject: Re: Pyrethroids meeting today

Thanks!

Sent from my iPad

On Nov 9, 2017, at 10:12 AM, Bolen, Derrick <bolen.derrick@epa.gov> wrote:

FYI

From: Keller, Kaitlin
Sent: Thursday, November 9, 2017 10:07 AM
To: Bolen, Derrick <bolen.derrick@epa.gov>
Subject: Pyrethroids meeting today

Derrick,

Can you please schedule a meeting on "Pyrethroids" for Mike with Charles "Billy" Smith (its Charles Smith in the directory) at 2pm in PY today? If he's shuttling he'll need to take the 1:42 shuttle out front (it stops in front of the auditorium). Billy will meet him downstairs at PY and get him to his 3pm if you let me know what the room number for that one is. Let me know if that won't work for him though.

Thanks,

Kaitlin

Kaitlin Keller, Special Assistant

Office of Chemical Safety and Pollution Prevention

U.S. Environmental Protection Agency

(202) 564-7098

To: Jackson, Ryan[jackson.ryan@epa.gov]; Beck, Nancy[beck.nancy@epa.gov]
From: Dourson, Michael
Sent: Mon 10/30/2017 6:10:43 PM
Subject: RE:
2017-10-27 EPA Nominee Dr. Michael Dourson.docx

Ryan

Here is a slightly tweaked version. Please let me know if the strike and replace version does not show up.

Cheers!

Michael

-----Original Message-----

From: Jackson, Ryan
Sent: Monday, October 30, 2017 10:32 AM
To: Beck, Nancy <Beck.Nancy@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>
Subject: FW:

Will you read through this one more time to ensure we have this represented accurately?

-----Original Message-----

From: Bowman, Liz
Sent: Saturday, October 28, 2017 7:10 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>
Subject: RE:

Updated here with working link.

-----Original Message-----

From: Jackson, Ryan
Sent: Friday, October 27, 2017 5:31 PM
To: Bowman, Liz <Bowman.Liz@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>
Subject:

Can I get the new Dourson sheet.

Ryan Jackson
Chief of Staff
U.S. EPA

Ex. 6 - Personal Privacy

To: Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]
Cc: Beck, Nancy[beck.nancy@epa.gov]
From: Dourson, Michael
Sent: Wed 11/1/2017 1:58:53 PM
Subject: RE: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO
mdFactsheet for OCSPP IO PFAS 2017-10-26.to OPPT JM CLEAN.docx

Charlotte and Nancy

Attached are my thoughts on this text. Thanks for the opportunity to help.

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

From: Dourson, Michael
Sent: Tuesday, October 31, 2017 7:09 PM
To: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
Cc: Beck, Nancy <beck.nancy@epa.gov>
Subject: RE: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Charlotte

So sorry, only now catching up on emails. Yes, please send me a word version of the file and I will offer both of you and Nancy a strike and replace version sometime tomorrow from an AO perspective.

Cheers!

Michael

From: Bertrand, Charlotte
Sent: Tuesday, October 31, 2017 11:05 AM
To: Dourson, Michael <dourson.michael@epa.gov>
Cc: Beck, Nancy <Beck.Nancy@epa.gov>
Subject: RE: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Yes – definitely please provide some suggested language for the OCSPP 2 pagers. My comments were going to be along the lines of sharing what our AA'ship has done for these compounds. Some of the health effects mentioned are from the OW HA.

From: Dourson, Michael
Sent: Tuesday, October 31, 2017 10:44 AM
To: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
Cc: Beck, Nancy <Beck.Nancy@epa.gov>
Subject: Re: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Charlotte

Wonderful. Also, do I have the opportunity to provide some suggested language?

Cheers!

Michael

Sent from my iPad

On Oct 31, 2017, at 8:58 AM, Bertrand, Charlotte <Bertrand.Charlotte@epa.gov> wrote:

Mike –I'll set up a briefing with you and OW on **Ex. 5 - Deliberative Process** Charlotte

From: Dourson, Michael

Sent: Monday, October 30, 2017 7:09 PM

To: Beck, Nancy <Beck.Nancy@epa.gov>

Cc: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>

Subject: RE: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Nancy

Ex. 5 - Deliberative Process

Cheers?

Mike

From: Beck, Nancy
Sent: Monday, October 30, 2017 5:40 PM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: FW: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Thank you.

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M: Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Strauss, Linda
Sent: Thursday, October 26, 2017 2:40 PM
To: Beck, Nancy <Beck.Nancy@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>;
Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
Cc: Dunton, Cheryl <Dunton.Cheryl@epa.gov>; Hanley, Mary <Hanley.Mary@epa.gov>
Subject: FW: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

I think this has a lot of good information in it. It differs a little from what was requested which was for each AA-ship to provide its inventory of activities and messages for internal use. This does that but looks more like an Agency-wide fact sheet.

OW coms director who is coordinating this says she'd rather just see what we have – since

it's only for internal use. At a minimum, we should take out the last heading. I have not made any edits. Let me know what you think.

Thanks, Linda

From: Scheifele, Hans
Sent: Wednesday, October 25, 2017 5:26 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>
Cc: Pierce, Alison <Pierce.Alison@epa.gov>; Dunton, Cheryl <Dunton.Cheryl@epa.gov>; Hanley, Mary <Hanley.Mary@epa.gov>
Subject: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Linda,

CCD developed the attached paper on PFOA/PFOS and RAD and Jeff reviewed and concurred. Please take a look and let us know if any questions.

Thanks,

Hans

Hans Scheifele
Special Assistant
Office of Pollution Prevention and Toxics
1200 Pennsylvania Ave., NW
Washington, DC 20460
Voice (202) 564-3122

From: Drinkard, Andrea
Sent: Thursday, October 19, 2017 12:06 PM
To: Grantham, Nancy <Grantham.Nancy@epa.gov>; Lincoln, Larry <Lincoln.Larry@epa.gov>; Mattas-Curry, Lahne <Mattas-Curry.Lahne@epa.gov>; Hubbard, Carolyn <Hubbard.Carolyn@epa.gov>; Bowles, Jack <Bowles.Jack@epa.gov>; Hannon, Arnita <Hannon.Arnita@epa.gov>; Richardson, RobinH <Richardson.RobinH@epa.gov>; Senn, John <Senn.John@epa.gov>; Jones, Enesta

<Jones.Enesta@epa.gov>; Maguire, Megan <Maguire.Megan@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Wadlington, Christina <Wadlington.Christina@epa.gov>; Millett, John <Millett.John@epa.gov>; Nowotarski, Allison <nowotarski.allison@epa.gov>
Cc: Klasen, Matthew <Klasen.Matthew@epa.gov>; Wise, Allison <Wise.Allison@epa.gov>
Subject: GenX/PFOA/PFOS Comms Weekly Meeting Follow Up

Hi all—

In follow up to our call yesterday, I wanted to provide some information on what you might include in your one/two pagers on past/current/upcoming actions in your office. Here are some suggested section headers, but please feel free to use whatever format works best for your office as long as you are answering the general “what are we doing” question:

Overview/Background – Historically, what work has been done on PFAS in x office?

Current Action – What work is happening now?

What’s Next – What work does x office anticipate need to complete to learn more about PFAS, etc.?

Current Messages – What would you tell someone today, if they asked “Is my water safe to drink? Is the air clean to breathe? Are these chemicals harmful to my health?”

Please provide me with your one/two pagers by **COB on October 26th**.

I’m working on a shared folder/sharepoint site and will update you when I have something concrete on that front. And, lastly, thanks to the subset of you who are looking at the blurb for Nancy. I will share the updated version with everyone on this email.

-Andrea-

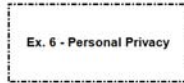
Andrea Drinkard

Communications Director

EPA Office of Water

Desk: 202.564.1601

Cell:



To: Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]; Hanley, Mary[Hanley.Mary@epa.gov]
From: Dourson, Michael
Sent: Tue 11/7/2017 10:13:06 PM
Subject: RE: Reasonably foreseen

Charlotte

Very nice...

Michael

From: Bertrand, Charlotte
Sent: Tuesday, November 7, 2017 4:21 PM
To: Dourson, Michael <dourson.michael@epa.gov>; Hanley, Mary <Hanley.Mary@epa.gov>
Subject: Reasonably foreseen

Mary/Michael – we said this in the 2017 regulation. It's very short and to the point, recommend we insert this as our talking point ...

"The Agency is committed to exercising its discretion to determine the conditions of use in a reasonable

manner and will not base this determination upon hypotheticals or conjecture."

Charlotte Bertrand

Acting Principal Deputy Assistant Administrator

Office of Chemical Safety and Pollution Prevention

Phone (202) 564-2910

To: Beck, Nancy[Beck.Nancy@epa.gov]
From: Dourson, Michael
Sent: Fri 10/27/2017 2:04:55 AM
Subject: Re: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Yes ma'am!

Sent from my iPhone

On Oct 26, 2017, at 9:46 PM, Beck, Nancy <Beck.Nancy@epa.gov> wrote:

Mike,

I have not reviewed yet, but thought you would provide a good perspective. Can you take a look?

Thanks.

Nancy B. Beck, Ph.D., DABT
Deputy Assistant Administrator, OCSPP
P: 202-564-1273
M: Ex. 6 - Personal Privacy
Beck.Nancy@epa.gov

From: Strauss, Linda
Sent: Thursday, October 26, 2017 2:40 PM
To: Beck, Nancy <Beck.Nancy@epa.gov>; Wisc, Louise <Wisc.Louise@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
Cc: Dunton, Cheryl <Dunton.Cheryl@epa.gov>; Hanley, Mary <Hanley.Mary@epa.gov>
Subject: FW: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

I think this has a lot of good information in it. It differs a little from what was requested which was for each AA-ship to provide its inventory of activities and messages for internal use. This does that but looks more like an Agency-wide fact sheet.

OW coms director who is coordinating this says she'd rather just see what we have – since

it's only for internal use. At a minimum, we should take out the last heading. I have not made any edits. Let me know what you think.

Thanks, Linda

From: Scheifele, Hans
Sent: Wednesday, October 25, 2017 5:26 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>
Cc: Pierce, Alison <Pierce.Alison@epa.gov>; Dunton, Cheryl <Dunton.Cheryl@epa.gov>; Hanley, Mary <Hanley.Mary@epa.gov>
Subject: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Linda,

CCD developed the attached paper on PFOA/PFOS and RAD and Jeff reviewed and concurred. Please take a look and let us know if any questions.

Thanks,

Hans

Hans Scheifele
Special Assistant
Office of Pollution Prevention and Toxics
1200 Pennsylvania Ave., NW
Washington, DC 20460
Voice (202) 564-3122

From: Drinkard, Andrea
Sent: Thursday, October 19, 2017 12:06 PM
To: Grantham, Nancy <Grantham.Nancy@epa.gov>; Lincoln, Larry <Lincoln.Larry@epa.gov>; Mattas-Curry, Lahne <Mattas-Curry.Lahne@epa.gov>; Hubbard, Carolyn <Hubbard.Carolyn@epa.gov>; Bowles, Jack <Bowles.Jack@epa.gov>; Hannon, Arnita <Hannon.Arnita@epa.gov>; Richardson, RobinH <Richardson.RobinH@epa.gov>; Senn, John <Senn.John@epa.gov>; Jones, Enesta

<Jones.Enesta@epa.gov>; Maguire, Megan <Maguire.Megan@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Wadlington, Christina <Wadlington.Christina@epa.gov>; Millett, John <Millett.John@epa.gov>; Nowotarski, Allison <nowotarski.allison@epa.gov>
Cc: Klasen, Matthew <Klasen.Matthew@epa.gov>; Wise, Allison <Wise.Allison@epa.gov>
Subject: GenX/PFOA/PFOS Comms Weekly Meeting Follow Up

Hi all—

In follow up to our call yesterday, I wanted to provide some information on what you might include in your one/two pagers on past/current/upcoming actions in your office. Here are some suggested section headers, but please feel free to use whatever format works best for your office as long as you are answering the general “what are we doing” question:

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Please provide me with your one/two pagers by **COB on October 26th**.

I’m working on a shared folder/sharepoint site and will update you when I have something concrete on that front. And, lastly, thanks to the subset of you who are looking at the blurb for Nancy. I will share the updated version with everyone on this email.

-Andrea-

Andrea Drinkard

Communications Director

EPA Office of Water

Desk: 202.564.1601

Cell Ex. 6 - Personal Privacy

<Factsheet for OCSPP IO PFAS_2017-10-26.to OPPT JM CLEAN.DOCX>

To: Jackson, Ryan[jackson.ryan@epa.gov]
From: Dourson, Michael
Sent: Tue 11/7/2017 12:34:28 AM
Subject: RE: Ohio visits

Ryan

Ex. 5 - Deliberative Process

Cheers!

Michael

From: Jackson, Ryan
Sent: Monday, November 6, 2017 7:11 PM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: Fwd: Ohio visits

Ex. 5 - Deliberative Process

Ryan Jackson

Chief of Staff

U.S. EPA

Ex. 6 - Personal Privacy

Begin forwarded message:

From: "Lyons, Troy" <lyons.troy@epa.gov>

Date: November 6, 2017 at 7:08:34 PM EST

To: "Bennett, Tate" <Bennett.Tate@epa.gov>

Cc: "Dourson, Michael" <dourson.michael@epa.gov>, "Sands, Jeffrey" <sands.jeffrey@epa.gov>, "Beck, Nancy" <Beck.Nancy@epa.gov>, "Jackson, Ryan" <jackson.ryan@epa.gov>, "Dravis, Samantha" <dravis.samantha@epa.gov>

Subject: Re: Ohio visits

Mike

Ex. 5 - Deliberative Process

Sent from my iPhone

On Nov 6, 2017, at 6:32 PM, Bennett, Tate <Bennett.Tate@epa.gov> wrote:

Copying Troy and RJ.

On Nov 6, 2017, at 6:27 PM, Dourson, Michael <dourson.michael@epa.gov> wrote:

Valerie and Tate

I will be in Ohio for the week of November 20 (at no cost to the government), and wish to offer folks the opportunity to state their concerns or comments on what EPA is doing. I plan to listen and not to otherwise make any statements about pending EPA actions, unless of course, it is in EPA's best interest to do so.

I have contacted Mr. Ralph Hall, the Environmental Health and & Safety Director at Nanogate Jay Systems, which is located at 515 Newman St., Mansfield, Ohio 44902. His email is: Ralph.Hall@nanogate.com; cell number is Ex. 6 - Personal Privacy Office: [419-521-0338](tel:419-521-0338), Fax: [419-522-5936](tel:419-522-5936). His group is interested in new chemicals and would also be willing to invite other interested industries for a listening meeting.

Mr. Matthew Culler of Agro InfoTech is also interested in a listening session, and would be happy to set up a meeting of farmers and farm-related groups. He can be reached at Ex. 6 - Personal Privacy or mculler@infotech.net.

Please let me know of other groups that might be interested in such a listening session. I plan to be working Monday, Tuesday and Wednesday. Also, please let me know if you want me to contact these two gentlemen directly. I am sure that both of you are very busy.

Cheers

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

From: Dourson, Michael

Sent: Sunday, October 29, 2017 3:12 PM

To: Washington, Valerie <Washington.Valerie@epa.gov>

Cc: Bennett, Tate <Bennett.Tate@epa.gov>; Dravis, Samantha <dravis.samantha@epa.gov>; Sands, Jeffrey <sands.jeffrey@epa.gov>; Beck, Nancy <beck.nancy@epa.gov>; Fugh, Justina <Fugh.Justina@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>

Subject: Ohio visits

Valerie

Would you please work with Tate Bennett of the Administrator's office to set up a series of meetings with me and farming and other groups in Ohio for the week of November 20. I will be in Ohio during this week (at no cost to the government), and wish to offer folks the opportunity to state their concerns or comments on what EPA is doing. I plan to listen and not to otherwise make any statements about pending EPA actions, unless of course, it is in EPA's best

interest to do so.

Matthew Culler of Agro InfoTech would be ~~willing to meet~~ with me and several of his colleagues. He can be reached at Ex. 6 - Personal Privacy Of course, I would be wanting to meet with any group that has an expressed interest in what EPA is doing.

Thanks!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

To: Hanley, Mary[Hanley.Mary@epa.gov]
From: Dourson, Michael
Sent: Thur 11/2/2017 4:59:22 PM
Subject: Re: call in number for Generic ICR

Mary

I am in town today, but forgoing this meeting. thanks anyway!

Cheers!

Michael

Sent from my iPad

On Nov 2, 2017, at 12:31 PM, Hanley, Mary <Hanley.Mary@epa.gov> wrote:

Hi, just in you are calling in:

Ex. 6 - Personal Privacy

To: Bowman, Liz[Bowman.Liz@epa.gov]
From: Dourson, Michael
Sent: Wed 12/13/2017 4:13:28 PM
Subject: Re: Comment sought from Mr. Dourson for upcoming article

Liz

I will come by your office at about 12:45, or sooner if the metro connections are quick.

Mike

Sent from my iPad

On Dec 13, 2017, at 9:32 AM, Bowman, Liz <Bowman.Liz@epa.gov> wrote:

The earliest I can meet is 12:30 p.m. – does that work for you?

From: Dourson, Michael
Sent: Wednesday, December 13, 2017 8:55 AM
To: Bowman, Liz <Bowman.Liz@epa.gov>
Subject: Re: Comment sought from Mr. Dourson for upcoming article

Liz

Sure. I'll be in your office?

Mike

Sent from my iPhone

On Dec 12, 2017, at 9:37 PM, Bowman, Liz <Bowman.Liz@epa.gov> wrote:

Here are the documents the NYT is asking about...can we discuss tomorrow?

Sent from my iPhone

Begin forwarded message:

From: "Kaplan, Sheila" <sheila.kaplan@nytimes.com>

Date: December 12, 2017 at 9:21:43 PM EST

To: "Bowman, Liz" <Bowman.Liz@epa.gov>

Subject: Re: Comment sought from Mr. Dourson for upcoming article

Dear Ms. Bowman:"

Here is the pasted version of the relevant pages about the fundraising for the TEF, of which Mr. Dourson was and perhaps is still president. I'd like to know, also, if he still has that position. I don't know what the protocol is in terms of resigning from posts when one is awaiting confirmation. As i wrote in the earlier memo, I'd like to know if he participated in the fundraising, and who actually donated to the Foundation.

Thank you,

Sheila Kaplan

From:

To:

Cc: Subject: Date:

Cragin, David

Ann de Peyster; ; Dourson, Michael (doursoml); Ndifor, Anthony [JRDUS]; Jenkins, Jeffrey; William.Farland@colostate.edu; Mark Lafronconi; nvsoucy@mmm.com; OUEDRAOGO Gladys; rdphill@ec.rr.com; Silvia Barros; Wexler, Philip (NIH/NLM) [E]; Suzanne Fitzpatrick; David Steup; John DeSesso;
j

Masten Management

RE: Corporate donor ideas - advice and help? Monday, June 5, 2017 10:42:14 PM

Hi Ann,

I know Shaun Clancy at Evonik. I don't know him well – he moderated a session I spoke at this year. However, if no one else knows him, I'm glad to contact him.

Best regards, Dave

David Cragin, PhD, DABT
Merck Sharp & Dohme
Product Stewardship and Science, Global Safety & Environment 770 Sumneytown Pike
WP20-205
West Point PA 19486
1-215-652-6615

From: Ann de Peyster [mailto:adepeyst@mail.sdsu.edu]
Sent: Friday, June 02, 2017 1:59 PM
To: Ex-6 - Personal Privacy igmail.com; Dourson, Michael (doursoml); Ndifor, Anthony [JRDUS];
Jenkins, Jeffrey; William.Farland@colostate.edu; Mark Lafranchi; nvsoucy@mmm.com;
Cragin, David; OUEDRAOGO Gladys; rdphill@ec.rr.com; Silvia Barros; Wexler, Philip
(NIH/NLM) [E]; Suzanne Fitzpatrick; Ann de Peyster; David Steup; John DeSesso;
Cc: Masten Management
Subject: TEF: Corporate donor ideas - advice and help?

Your TEF Fundraising Chair Ann here again:
Do you know anyone highlighted in blue on this Group A list? If
you do, or if you have a strong suggestion for Group B
companies further below, then please read

this entire long email carefully to learn why I'm asking now.
Sorry for the length. I have a lot to say that I think is important for you to
know as you consider this.

Group A:

ACI (American Cleaning Institute)/Richard Sedlak or Fran
Kruszewski Amgen/Amgen Foundation/Cynthia Afshari
BASF/Martin Kayser, Patricia Rice
Bayer CropScience/Ellen Arthur

Cargill/Brent Kobielush
CropLife America/Ray McAllister
GMA (Grocery Manufacturers Association)/Leon Bruner
E. I. Dupont de Nemours/Haskell/Terry Medley (or Randy
Frame)

141

Eli Lilly and Company Foundation/Thomas Jones Evonik/Shawn
Clancy
Monsanto/Will Ridley
Procter & Gamble/Jack McEnany

Unilever/Julia Fentem or Carl Westmorland

Working through **personal contacts** is clearly the most
effective fundraising strategy. Contacts in Group A are from a
much longer list of potential sources TEF has compiled. If you
know any of these people **and are willing to make the contact**
please let me know ASAP (**by Monday if possible**). Many

companies will be finalizing their budgets soon if they haven't already; however, even if there's no opportunity now, any contacts made now still raises awareness of TEF and makes it easier to approach that potential source again next year. If you know someone in any of these companies who you think would be a **better** contact than those shown above, and you are willing to approach that individual instead, then we'd obviously like to know that, too.

Asking for a donation on behalf of TEF isn't easy for a lot of people, and it really isn't easy for me either. I will continue to contact as many others not shown here that I know well enough to know they at least recognize my name. Tony also has his own long list of CRO's. A few other trustees have already committed to contacting others you do not see here.

Because there isn't enough time in the day to approach everyone else 'cold' we're seeking everyone's help and advice now and I will do anything (within reason) to help you with tools and tips if you are willing to make the contact. For now I will just add that this year we're not expecting millions from anyone. At this point we're mainly trying to support and grow offerings we know we volunteer trustees can continue with with help from Masten Management vs. taking on big new projects and leaps of faith and getting ourselves into projects we aren't 100% sure we can manage. Even \$1000-2000 each of unrestricted funds from a respectable number of new company sources who is being considered reasonable success.

Group B is a list of companies for whom no contact has been identified yet. Suggestions for contacts there who you think are high enough in the decision-

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making process to be most helpful to TEF are also most welcome.

Group B

PhrMA

Boeringer-Ingelheim Bristol-Meyers Squibb
C&C Consulting in Toxicology Eli Lilly
Genentech
GlaxoSmithKline
Gradient
Novartis
Syngenta
Valent

Thanks everyone, for any help. Special thanks to those other trustees who have already committed to contacting those others you do not see here.

Hope to hear from you soon. Ann

Notice: This e-mail message, together with any attachments, contains information of Merck & Co., Inc. (2000 Galloping Hill Road, Kenilworth, New Jersey, USA 07033), and/or its affiliates Direct contact information for affiliates is available at

<http://www.merck.com/contact/contacts.html>) that may be confidential, proprietary copyrighted and/or legally privileged. It is intended solely for the use of the individual or entity named on this message. If you are not the intended recipient, and have received this message in error, please notify us immediately by reply e-mail and then delete it from your system.

-- END.

On Tue, Dec 12, 2017 at 7:58 PM, Bowman, Liz <Bowman.Liz@epa.gov> wrote:

When you say "you" do you mean me?

Sent from my iPhone

On Dec 12, 2017, at 5:17 PM, Kaplan, Sheila <sheila.kaplan@nytimes.com> wrote:

Dear Ms. Bowman:

I'm a reporter with the NY Times. I'm writing an article based on emails, obtained under FOIA, from the University of Cincinnati, between Mr. Dourson and the TERA/TEF/University staff, EPA, and the ACC.

I am writing to ask Mr. Dourson the following questions:

1 - When did Mr. Dourson cut his ties with TERA/TEF/University? What was his last date of employment for these entities?

2 - What was his role, if any, on the NAFRA/ACC baby monitor combustion project?

3 - Was the Korean version of "Is it Safe?" ever completed?

4- Did you participate in the fundraising for the Risk Center, as noted in a June 5 email that lists possible companies and contacts that may be willing to donate?

5 - Do you still want the EPA job? Are you still working there now as an adviser?

Thank you for your attention. My deadline is 2 PM Wednesday.

Sincerely,

Sheila Kaplan

Reporter, Washington Bureau

The New York Times

Office: (202) 862-0312

Cell: (415) 305-7305

--

Sheila Kaplan

Reporter, Washington Bureau

The New York Times

Office: (202) 862-0312

Cell: (415) 305-7305

To: Munoz, Charles[munoz.charles@epa.gov]
From: Dourson, Michael
Sent: Tue 1/2/2018 11:02:03 PM
Subject: RE: Talk

Yes, Sir. Will be in between 8 and 8:30...

From: Munoz, Charles
Sent: Tuesday, January 2, 2018 5:54 PM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: Re: Talk

Yep. I'll be in no later than 8 so come by anytime between that and 10:15 if possible. I'm free after 10:45 till about 1 as well.

Charles Munoz

White House Liaison

On Jan 2, 2018, at 5:51 PM, Dourson, Michael <dourson.michael@epa.gov> wrote:

Charles

Can we talk tomorrow morning?

Cheers!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

To: Beck, Nancy[beck.nancy@epa.gov]
From: Dourson, Michael
Sent: Tue 11/7/2017 10:08:34 PM
Subject: RE: Next Round of Registration Review Draft Risk Assessments

Nancy

Thanks for sending this. No need to hold anything up, but I would like to see the bifenthrin and cyfluthrin assessments. I am interested in the use of the 3-fold FQPA factor along with the available kinetic information.

Cheers!

Mike

From: Beck, Nancy
Sent: Saturday, November 4, 2017 11:47 AM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: FW: Next Round of Registration Review Draft Risk Assessments

Mike,

Attached are summaries of a batch of draft risk assessments OPP would like to release. Please let me know by COB Tuesday if you would like to review any of the assessments themselves.

I have a few questions but otherwise will clear them unless I hear from you.


Thanks,

Nancy

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M:  Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Keigwin, Richard

Sent: Saturday, October 28, 2017 12:56 PM

To: Beck, Nancy <Beck.Nancy@epa.gov>

Cc: Keller, Kaitlin <keller.kaitlin@epa.gov>; Guilaran, Yu-Ting <Guilaran.Yu-Ting@epa.gov>;
Smith, Charles <Smith.Charles@epa.gov>

Subject: Next Round of Registration Review Draft Risk Assessments

Attached are one-pagers for the next round of registration review draft risk assessments that we would like to release for public comment. In several instances, with mitigation, the potential human health risks can be adequately addressed. In other situations, even with maximum personal protective equipment, further mitigation may be necessary to bring potential risks to more acceptable levels.

Please let us know if you have any questions.

--Rick

Rick Keigwin

Director, Office of Pesticide Programs

US Environmental Protection Agency

To: Bowman, Liz[Bowman.Liz@epa.gov]; Jackson, Ryan[jackson.ryan@epa.gov]; Lyons, Troy[lyons.troy@epa.gov]; Beck, Nancy[beck.nancy@epa.gov]
From: Dourson, Michael
Sent: Fri 10/27/2017 1:37:13 AM
Subject: RE: Updated: Document for the Hill
md2017-10-26 Draft Myth v Reality on Dourson.docx

Liz

Wow! Very nice. Troy should pay you more. Here are a few tweaks. I will have the 5 websites to you tomorrow. Several of them are changing over to the University website, so I am uncertain of their current status.

Cheers!

Michael

From: Bowman, Liz
Sent: Thursday, October 26, 2017 9:23 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>; Beck, Nancy <Beck.Nancy@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>
Subject: Updated: Document for the Hill

Please review in detail and check all facts. When it's final, we need to remove the "draft" from the layout.

Thank you,

Liz Bowman

U.S. Environmental Protection Agency (EPA)

Office: 202-564-3293

To: Beck, Nancy[Beck.Nancy@epa.gov]
From: Dourson, Michael
Sent: Fri 10/20/2017 7:29:17 PM
Subject: Re: Dourson Car access.

Thanks again!

Sent from my iPhone

On Oct 20, 2017, at 2:50 PM, Beck, Nancy <Beck.Nancy@epa.gov> wrote:

We'll keep working on this, but in the meantime it looks like we can get a car for you and Charlotte on Monday.

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M: Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Morina, Lencee

Sent: Friday, October 20, 2017 2:16 PM

To: Beck, Nancy <Beck.Nancy@epa.gov>; Aldridge, Matthew <Aldridge.Matthew@epa.gov>; Marshall, Venus <Marshall.Venus@epa.gov>; Shields, Kendrick <Shields.Kendrick@epa.gov>

Cc: Keller, Kaitlin <keller.kaitlin@epa.gov>; Jakob, Avivah <Jakob.Avivah@epa.gov>; Munoz, Charles <munoz.charles@epa.gov>; Jefferson, Gayle <Jefferson.Gayle@epa.gov>

Subject: RE: Dourson Car access.

Good afternoon Nancy,

I hope all is well. I received your email and voicemail regarding transportation for Dr. Dourson. Matt Aldridge is correct, senior advisors do not have access to the executive motorpool (EMP). The EMP does not have the resources to provide transportation for employees outside those listed in the SOP which I believe Matt shared with you. If not, please let me know and I will provide you with a copy. Per your voicemail, you stated that Dr. Dourson will be attending a meeting on your behalf at Potomac Yard. Since that is the case, I will approve transportation for Dr. Dourson for this meeting. FYI, I have spoken with my director, Gayle Jefferson, and she supports my response. I have cc her on the email. If you have any questions, please let me know.

Hi Matt,

Would you please schedule transportation for Dr. Dourson. If you have any questions, please let me know.

Thanks

Lenee' Morina

Branch Chief, Headquarters Services Branch

Facilities Management Services Division

Office of Administration/OARM

U.S. Environmental Protection Agency

202-564-5304 (desk)

Ex. 6 - Personal Privacy (cell)

From: Beck, Nancy

Sent: Thursday, October 19, 2017 6:42 PM

To: Aldridge, Matthew <Aldridge.Matthew@epa.gov>; Marshall, Venus

<Marshall.Venus@epa.gov>; Shields, Kendrick <Shields.Kendrick@epa.gov>
Cc: Keller, Kaitlin <keller.kaitlin@epa.gov>; Jakob, Avivah <Jakob.Avivah@epa.gov>;
Munoz, Charles <munoz.charles@epa.gov>; Morina, Lenee <Morina.Lenee@epa.gov>
Subject: RE: Dourson Car access.

Thank you. I just left Lenee a message.

Regards,

Nancy

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M: Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Aldridge, Matthew

Sent: Thursday, October 19, 2017 2:33 PM

To: Beck, Nancy <Beck.Nancy@epa.gov>; Marshall, Venus <Marshall.Venus@epa.gov>;
Shields, Kendrick <Shields.Kendrick@epa.gov>

Cc: Keller, Kaitlin <keller.kaitlin@epa.gov>; Jakob, Avivah <Jakob.Avivah@epa.gov>;
Munoz, Charles <munoz.charles@epa.gov>

Subject: RE: Dourson Car access.

Mrs. Beck,

Our Branch Chief is Lenee Morina, she might be reach at 564-5304. Please let us know if might be any further assistance.

Best Regards,

Matthew Aldridge
DC Tours Transportation/U.S.EPA
Project/Fleet Manager
Room: B1.12-A5 RRB
Desk: (202)-564-2343
Main: (202)-564-2931
aldridge.matthew@epa.gov
Program Officer: Brenda Randall

From: Beck, Nancy
Sent: Thursday, October 19, 2017 1:43 PM
To: Aldridge, Matthew <Aldridge.Matthew@epa.gov>; Marshall, Venus <Marshall.Venus@epa.gov>; Shields, Kendrick <Shields.Kendrick@epa.gov>
Cc: Keller, Kaitlin <keller.kaitlin@epa.gov>; Jakob, Avivah <Jakob.Avivah@epa.gov>; Munoz, Charles <munoz.charles@epa.gov>
Subject: RE: Dourson Car access.

Matthew,

Please advise what Branch Chief you are referring to and I'd be happy to work with the correct person to ensure Dr. Dourson has access.

Many thanks,
Nancy

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M: Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Aldridge, Matthew
Sent: Thursday, October 19, 2017 1:40 PM
To: Marshall, Venus <Marshall.Venus@epa.gov>; Shields, Kendrick <Shields.Kendrick@epa.gov>
Cc: Beck, Nancy <Beck.Nancy@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>; Jakob, Avivah <Jakob.Avivah@epa.gov>
Subject: RE: Dourson Car access.

Mrs. Marshall,

Please see the attached SOP, these are the directives given by the Branch Chief. Listed are the parties we are able to utilize the EMP. Any changes need to be approved by the Branch Chief or Program Officer.

Thank you,

Matthew Aldridge
DC Tours Transportation/U.S.EPA
Project/Fleet Manager
Room: B1.12-A5 RRB
Desk: (202)-564-2343
Main: (202)-564-2931
aldridge.matthew@epa.gov
Program Officer: Brenda Randall

From: Marshall, Venus
Sent: Thursday, October 19, 2017 1:15 PM

To: Aldridge, Matthew <Aldridge.Matthew@epa.gov>; Shields, Kendrick <Shields.Kendrick@epa.gov>
Cc: Beck, Nancy <Beck.Nancy@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>; Jakob, Avivah <Jakob.Avivah@epa.gov>
Subject: FW: Dourson Car access.

FYI – Please see the note below from Charles Munoz. Apparently, Michael Dourson does qualify for car service as a Senior Advisor to the Administrator. I'll be sending a request for car service.

Thanks,

Venus Marshall
Office of the Assistant Administrator
Office of Chemical Safety and Pollution Prevention, OCSPP
Room 3130 – EPA East, MC 7101M
Phone: 202-564-8542
Fax: 202-564-0801
marshall.venus@epa.gov

From: Beck, Nancy
Sent: Thursday, October 19, 2017 10:48 AM
To: Hanley, Mary <Hanley.Mary@epa.gov>; Marshall, Venus <Marshall.Venus@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>; Jakob, Avivah <Jakob.Avivah@epa.gov>
Cc: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>
Subject: FW: Dourson Car access.

Venus,

Hopefully this note from Charles clarifies any confusion.

Thanks.

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M: Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Munoz, Charles

Sent: Thursday, October 19, 2017 10:08 AM

To: Beck, Nancy <Beck.Nancy@epa.gov>

Subject: RE: Dourson Car access.

Nancy,

Dr. Dourson can have access to the car service as a Senior Advisor to the Administrator.

Charles Munoz

White House Liaison

Environmental Protection Agency

202-380-7967

From: Beck, Nancy
Sent: Thursday, October 19, 2017 10:04 AM
To: Munoz, Charles <munoz.charles@epa.gov>
Subject: Dourson Car access.

Charles,

Can you please confirm that as Advisor to the Administrator Mike Dourson can have car access?

Thank you,

Nancy

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M: Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Marshall, Venus
Sent: Thursday, October 19, 2017 10:03 AM
To: Keller, Kaitlin <keller.kaitlin@epa.gov>; Hanley, Mary <Hanley.Mary@epa.gov>
Cc: Jakob, Avivah <Jakob.Avivah@epa.gov>; Beck, Nancy <Beck.Nancy@epa.gov>
Subject: RE: Request for Bertrand and Dourson Briefing on Monday 10/23 12-2 pm

Oh boy, I was told by the motor pool that Michael Dourson doesn't qualify to cars from the motor pool until he's confirmed has as the Assistant Administrator for OCSPP.

Thanks,

Venus Marshall
Office of the Assistant Administrator
Office of Chemical Safety and Pollution Prevention, OCSPP
Room 3130 – EPA East, MC 7101M
Phone: 202-564-8542
Fax: 202-564-0801
marshall.venus@epa.gov

From: Keller, Kaitlin
Sent: Thursday, October 19, 2017 9:51 AM
To: Marshall, Venus <Marshall.Venus@epa.gov>; Hanley, Mary <Hanley.Mary@epa.gov>
Cc: Jakob, Avivah <Jakob.Avivah@epa.gov>
Subject: RE: Request for Bertrand and Dourson Briefing on Monday 10/23 12-2 pm

Venus,

Nancy said in the huddle yesterday that the motor pool does provide transportation for Michael Dourson, as he is an Advisor to the Administrator.

Thanks,

Kaitlin

From: Marshall, Venus
Sent: Thursday, October 19, 2017 8:31 AM
To: Hanley, Mary <Hanley.Mary@epa.gov>
Cc: Keller, Kaitlin <keller.kaitlin@epa.gov>; Jakob, Avivah <Jakob.Avivah@epa.gov>
Subject: RE: Request for Bertrand and Dourson Briefing on Monday 10/23 12-2 pm

Mary,

The Organophosphate and the Neonicotinoid Briefings are already scheduled on Charlotte's calendar for Monday, October 23rd but the motor pool will not provide transportation to these meetings unless Nancy is attending the meetings.

Thanks,

Venus Marshall
Office of the Assistant Administrator
Office of Chemical Safety and Pollution Prevention, OCSPP
Room 3130 – EPA East, MC 7101M
Phone: 202-564-8542
Fax: 202-564-0801
marshall.venus@epa.gov

From: Hanley, Mary
Sent: Thursday, October 19, 2017 8:05 AM
To: Marshall, Venus <Marshall.Venus@epa.gov>
Cc: Keller, Kaitlin <keller.kaitlin@epa.gov>; Jakob, Avivah <Jakob.Avivah@epa.gov>
Subject: Re: Request for Bertrand and Dourson Briefing on Monday 10/23 12-2 pm

Miss Venus, that's right. But she wants these meetings to be scheduled off of Charlotte's calendar and to include Mike. Hope this helps.

Cheers

M

Sent from my iPhone

On Oct 19, 2017, at 7:56 AM, Marshall, Venus <Marshall.Venus@epa.gov> wrote:

Hi Kaitlin,

I recall Nancy stating in one of the staff meetings that

Ex. 6 - Personal Privacy

Ex. 6 - Personal Privacy

Thanks,

Venus Marshall
Office of the Assistant Administrator
Office of Chemical Safety and Pollution Prevention, OCSPP
Room 3130 – EPA East, MC 7101M
Phone: 202-564-8542
Fax: 202-564-0801
marshall.venus@epa.gov

From: Keller, Kaitlin
Sent: Wednesday, October 18, 2017 5:42 PM
To: Jakob, Avivah <Jakob.Avivah@epa.gov>; Marshall, Venus
<Marshall.Venus@epa.gov>
Cc: Hanley, Mary <Hanley.Mary@epa.gov>
Subject: RE: Request for Bertrand and Dourson Briefing on Monday 10/23 12-2 pm

Venus,

Could you please also schedule Monday transport?

Monday 10/23

Transport from HQ to PY, **Pick up at HQ: 11:45am**

Transport back to HQ, **Pick up at PY: 2:05pm**

Thanks,

Kaitlin

From: Jakob, Avivah
Sent: Tuesday, October 17, 2017 2:49 PM
To: Marshall, Venus <Marshall.Venus@epa.gov>
Cc: Keller, Kaitlin <keller.kaitlin@epa.gov>; Hanley, Mary <Hanley.Mary@epa.gov>
Subject: RE: Request for Bertrand and Dourson Briefing on Monday 10/23 12-2 pm

Also, please schedule transportation to and from PY (minivan preferable)

From: Jakob, Avivah
Sent: Tuesday, October 17, 2017 2:48 PM
To: Marshall, Venus <Marshall.Venus@epa.gov>
Cc: Keller, Kaitlin <keller.kaitlin@epa.gov>; Hanley, Mary <Hanley.Mary@epa.gov>
Subject: FW: Request for Bertrand and Dourson Briefing on Monday 10/23 12-2 pm

Venus please schedule the following meetings for Monday. The invite some come from Charlotte's Calendar

Meeting Request from: Charlotte Bertrand

Title: Organophosphate Briefing

Date and Time: Monday 10/23, 12-1pm

Where: PY – Venus please work w/ Shannon on a room

Invite: Michael Dourson, Rick Keigwin, Yu-ting Guilaran, Charles (Billy) Smith, Neil Anderson, Kelly Sherman, Nicole Zinn, Ricardo Jones, Steven Snyderman, Dana

Vogel, Elissa Reaves, Jeff Dawson, Marietta Echeverria, Brian Anderson, Justin Housenger, Wynne Miller, Anita Pease, Kara Welch, TJ Wyatt, aClayton Myers. (CC. Nancy beck, Louise wise, Kaitlin Keller, Avivah Jakob, Darlene Dinkins, Shannon Jewel)

Meeting Request from: Charlotte Bertrand

Title: Neonicotinoid Briefing

Date and Time: Monday 10/23, 1-2pm

Where: PY – Venus please work w/ Shannon on a room

Invite: Michael Dourson, Rick Keigwin, Yu-ting Guilaran, Charles (Billy) Smith, Neil Anderson, Kelly Sherman, Nicole Zinn, Ricardo Jones, Steven Snyderman, Dana Vogel, Elissa Reaves, Jeff Dawson, Marietta Echeverria, Brian Anderson, Justin Housenger, Wynne Miller, Anita Pease, Kara Welch, TJ Wyatt, aClayton Myers. (CC. Nancy beck, Louise wise, Kaitlin Keller, Avivah Jakob, Darlene Dinkins, Shannon Jewel)

To: Weiss, Steven[Weiss.Steven@epa.gov]
From: Dourson, Michael
Sent: Tue 11/14/2017 8:33:51 PM
Subject: Re: Paint and pesticides

Steve

Just got back from a meeting with USDA. Very interesting. I probably will not come over to PY, but would like to hear part of the briefing now going on in room S12621. How might I go about and get the relevant phone number?

Thanks!

Michael

Sent from my iPad

On Nov 14, 2017, at 2:56 PM, Weiss, Steven <Weiss.Steven@epa.gov> wrote:

Hi Michael-

I got your voice msg. If you are still at Potomac Yards and want to talk please feel free to stop by. I am in S-8624. If that doesn't work out call me when you are ready to talk.

Thanks,

-Steve

Steven H. Weiss
Acting Director
Antimicrobials Division
Office of Pesticide Programs
US Environmental Protection Agency
Weiss.Steven@epa.gov
(703)308-8293

From: Dourson, Michael
Sent: Monday, November 13, 2017 5:41 PM
To: Weiss, Steven <Weiss.Steven@epa.gov>
Cc: Beck, Nancy <Beck.Nancy@epa.gov>; Bertrand, Charlotte
<Bertrand.Charlotte@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>

Subject: RE: Paint and pesticides

Steven

Perhaps you can give me a call tomorrow regarding this topic. I was approached by a Ms. Heidi McAuliffe, Esq, with a question on recycling paint that contains pesticides. I told her that I would respond by the end of this week.

Thanks!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

From: Keigwin, Richard

Sent: Tuesday, November 7, 2017 5:55 PM

To: Dourson, Michael <dourson.michael@epa.gov>

Cc: Beck, Nancy <Beck.Nancy@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Weiss, Steven <Weiss.Steven@epa.gov>

Subject: Re: Paint and pesticides

No worries. If it's urgent, I can find some time while I'm in Mexico. Otherwise, let's chat when so return to the office next week.

Rick Keigwin

Director, Office of Pesticide Programs

U.S. Environmental Protection Agency

Phone: 703-305-7090

Website: www.epa.gov/pesticides

Sent from my iPhone

On Nov 7, 2017, at 4:54 PM, Dourson, Michael <dourson.michael@epa.gov> wrote:

Rick

Thanks. I was approached by someone today that expressed interest in this topic.
Details to follow up in conversation.

Cheers!

Michael

From: Keigwin, Richard

Sent: Tuesday, November 7, 2017 5:48 PM

To: Dourson, Michael <dourson.michael@epa.gov>

Cc: Beck, Nancy <Beck.Nancy@epa.gov>; Bertrand, Charlotte
<Bertrand.Charlotte@epa.gov>; Weiss, Steven <Weiss.Steven@epa.gov>

Subject: Re: Paint and pesticides

Not sure that I know this issue. I'm looping in Steve Weiss, the acting director of our Antimicrobials Division. Pesticides used in paints are often times antimicrobials/fungicides managed out of Steve's division.

Rick Keigwin

Director, Office of Pesticide Programs

U.S. Environmental Protection Agency

Phone: 703-305-7090

Website: www.epa.gov/pesticides

Sent from my iPhone

On Nov 7, 2017, at 4:44 PM, Dourson, Michael <dourson.michael@epa.gov> wrote:

Rick

Do you have a name of someone in your shop that knows about this, and its recycling issue?

Thanks!

Michael

To: Beck, Nancy[beck.nancy@epa.gov]
From: Dourson, Michael
Sent: Wed 10/25/2017 11:09:23 PM
Subject: RE: PRIA - Udall et. al to Roberts and Stabenow - (10-20-17).pdf

Thanks!

From: Beck, Nancy
Sent: Wednesday, October 25, 2017 3:30 PM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: Fwd: PRIA - Udall et. al to Roberts and Stabenow - (10-20-17).pdf

Nancy B. Beck, Ph.D., DABT
Deputy Assistant Administrator, OCSPP
P: 202-564-1273
M: Ex. 6 - Personal Privacy
Beck.Nancy@epa.gov

Begin forwarded message:

From: "Kaiser, Sven-Erik" <Kaiser.Sven-Erik@epa.gov>
Date: October 20, 2017 at 10:42:07 AM EDT
To: "Lyons, Troy" <lyons.troy@epa.gov>, "Richardson, RobinH" <Richardson.RobinH@epa.gov>, "Ringel, Aaron" <ringel.aaron@epa.gov>, "Palich, Christian" <palich.christian@epa.gov>, "Beck, Nancy" <Beck.Nancy@epa.gov>, "Bertrand, Charlotte" <Bertrand.Charlotte@epa.gov>, "Wise, Louise" <Wise.Louise@epa.gov>, "Keigwin, Richard" <Keigwin.Richard@epa.gov>, "Schaible, Stephen" <Schaible.Stephen@epa.gov>, "Keaney, Kevin" <Keaney.Kevin@epa.gov>, "Jakob, Avivah" <Jakob.Avivah@epa.gov>, "Keller, Kaitlin" <keller.kaitlin@epa.gov>, "Hanley, Mary" <Hanley.Mary@epa.gov>, "Dinkins, Darlene" <Dinkins.Darlene@epa.gov>, "Sisco, Debby" <Sisco.Debby@epa.gov>, "Sands, Jeffrey" <sands.jeffrey@epa.gov>
Subject: FW: PRIA - Udall et. al to Roberts and Stabenow - (10-20-17).pdf

PRIA Team – Heads up on a letter from Udall to Roberts and Stabenow on PRIA reauthorization. Identifies asks on WPS, C&T and chlorpyrifos. EPA does not need to respond to the letter directly although the Senate Ag committee is likely to want to discuss it. Please let me know if any questions. Thanks,

Sven

Sven-Erik Kaiser

U.S. EPA

Office of Congressional and Intergovernmental Relations

1200 Pennsylvania Ave., NW (1305A)

Washington, DC 20460

202-566-2753

From: Black, Jonathan (Tom Udall) [mailto:Jonathan_Black@tomudall.senate.gov]

Sent: Friday, October 20, 2017 10:14 AM

To: Babington, Sean (Agriculture) <Sean_Babington@ag.senate.gov>; Vlasaty, Andrew (Agriculture) <Andrew_Vlasaty@ag.senate.gov>

Cc: Lyons, Troy <lyons.troy@epa.gov>; Kaiser, Sven-Erik <Kaiser.Sven-Erik@epa.gov>; Ballard, Jimmy <Jimmy.Ballard@mail.house.gov>; Black, Jonathan (Tom Udall)

<Jonathan_Black@tomudall.senate.gov>; Zipkin, Adam (Booker)

<Adam_Zipkin@booker.senate.gov>; Spawn, Ariana (Booker)

<Ariana_Spawn@booker.senate.gov>; Kalonia, Maya (Blumenthal)

<Maya_Kalonia@blumenthal.senate.gov>

Subject: PRIA - Udall et. al to Roberts and Stabenow - (10-20-17).pdf

Please find attached a follow-up letter from Sen. Udall and others re: PRIA reauthorization.

A hard copy is being sent to SR-328A.

Please let me know if there are any questions. Thanks!

---Jonathan

To: Hanley, Mary[Hanley.Mary@epa.gov]
From: Dourson, Michael
Sent: Fri 11/17/2017 1:02:47 AM
Subject: RE: Systematic Review Briefing Materials

Thanks!

From: Hanley, Mary
Sent: Thursday, November 16, 2017 5:33 PM
To: Dourson, Michael <dourson.michael@epa.gov>
Cc: Bolen, Derrick <bolen.derrick@epa.gov>
Subject: Fwd: Systematic Review Briefing Materials

Mike, Derrick has your binder.

Sent from my iPhone

Begin forwarded message:

From: "Mottley, Tanya" <Mottley.Tanya@epa.gov>
Date: November 16, 2017 at 4:55:42 PM EST
To: "Morris, Jeff" <Morris.Jeff@epa.gov>, "Beck, Nancy" <Beck.Nancy@epa.gov>, "Bertrand, Charlotte" <Bertrand.Charlotte@epa.gov>, "Dourson, Michael" <dourson.michael@epa.gov>
Cc: "Hanley, Mary" <Hanley.Mary@epa.gov>, "Scheifele, Hans" <Scheifele.Hans@epa.gov>
Subject: Systematic Review Briefing Materials

To support the Wednesday 11/22 systematic review (deep dive) meeting, Iris Camacho prepared briefing books for each of you (Mike, I gave your book to Mary Hanley). You'll notice Chapters 7 and 8 indicate that you should "*refer to the briefing package materials to obtain crosswalk table with other frameworks.*" Iris has provided the briefing package materials after Tab 1 of your books.

Tanya

Tanya Hodge Mottley

Acting Deputy Director of Programs

Office of Pollution Prevention and Toxics, OCSPP

(202) 564-3152

To: Brown, Lewis[Brown.Lewis@epa.gov]
From: Dourson, Michael
Sent: Wed 11/29/2017 2:16:25 AM
Subject: RE: RE: Pleasure seeing you at EFED ALL Hands Meeting

Dear Lewis

Ex. 6 - Personal Privacy

Cheers!

Michael

From: Brown, Lewis
Sent: Monday, November 27, 2017 7:44 AM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: RE: RE: Pleasure seeing you at EFED ALL Hands Meeting
Importance: High
Sensitivity: Confidential

Ex. 6 - Personal Privacy

From: Dourson, Michael
Sent: Thursday, November 16, 2017 8:30 PM
To: Brown, Lewis <Brown.Lewis@epa.gov>
Subject: RE: RE: Pleasure seeing you at EFED ALL Hands Meeting
Sensitivity: Confidential

Dear Lewis

Thanks for your nice note and sorry to respond only now. It has been a busy week, then again, they all seem to be. I agree that first line supervisors are important, especially since they still need to know the science well, and also take care of their folks---not an easy task. Let's chat about your ideas next time we have a chance to get together.

Unfortunately, I am not in the office next week. I would have greatly enjoyed the get-together.

Cheers!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

From: Brown, Lewis

Sent: Tuesday, November 14, 2017 12:19 PM

To: Dourson, Michael <dourson.michael@epa.gov>

Subject: RE: Pleasure seeing you at EFED ALL Hands Meeting
Importance: High
Sensitivity: Confidential

Good afternoon and may this message find you in excellent health and spirits once it reaches you. It was a pleasure and an honor seeing and hearing from you this morning at the EFED ALL HANDS meeting. I am looking forward to working with you as our New OPPTS Assistant Administrator once you are confirmed by the Senate.

When you mentioned the complexity that goes along with the BIOPs I could not agree with you more. I would like to suggest that if it is at all possible

Ex. 5 - Deliberative Process

Next Week we are having a EFED ERB-1 and ERB-4 holiday get together on November 21, 2017 and I would really appreciate it if you were there to celebrate with us. Let me know you will be able to join us for the November 21, 2017 Get together. Once again it was a pleasure seeing you this morning and I enjoy all that you said.

Sincerely,

Lewis R. Brown

Env. Biologist

To: Beck, Nancy[beck.nancy@epa.gov]
From: Dourson, Michael
Sent: Fri 10/27/2017 1:25:38 AM
Subject: RE: Lecture of Salah Soliman

Hung how!

-----Original Appointment-----

From: Beck, Nancy
Sent: Thursday, October 26, 2017 9:19 PM
To: Dourson, Michael
Subject: Declined: Lecture of Salah Soliman
When: Thursday, November 9, 2017 3:00 PM-5:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: PY TBA

I will be in Taiwan

To: Beck, Nancy[Beck.Nancy@epa.gov]
From: Dourson, Michael
Sent: Fri 10/20/2017 7:25:31 PM
Subject: Re: yes, I have your pesticide documents

Thanks

Sent from my iPhone

On Oct 20, 2017, at 2:58 PM, Beck, Nancy <Beck.Nancy@epa.gov> wrote:

I will leave them in 3130 for you.

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator

Office of Chemical Safety and Pollution Prevention

P: 202-564-1273

M: Ex. 6 - Personal Privacy

beck.nancy@epa.gov

To: Morris, Jeff[Morris.Jeff@epa.gov]
From: Dourson, Michael
Sent: Sun 11/19/2017 6:44:56 PM
Subject: Re: 1,4-Dioxane

Jeff

No worries...

Michael

Sent from my iPhone

> On Nov 18, 2017, at 12:25 PM, Morris, Jeff <Morris.Jeff@epa.gov> wrote:
>
> Oops Mike: Inadvertently left you off this one.
>
> Jeff
>
> From: Morris, Jeff
> Sent: Saturday, November 18, 2017 12:19 PM
> To: Beck, Nancy <beck.nancy@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
> Cc: Scheifele, Hans (Scheifele.Hans@epa.gov) <Scheifele.Hans@epa.gov>; Pierce, Alison
> (Pierce.Alison@epa.gov) <Pierce.Alison@epa.gov>; Tala Henry (Henry.Tala@epa.gov)
> <Henry.Tala@epa.gov>
> Subject: FW: 1,4-Dioxane
> Importance: High
>
> Tala expects a cleaner draft by Wednesday.
>
> <2017-11-15 OGC draft language for PFs 2.docx>
> <2017-11-17_Dioxane Problem Formulation DRAFT_OGC Comms_TH Responses.TH.DOCX>

To: Munoz, Charles[munoz.charles@epa.gov]
From: Dourson, Michael
Sent: Tue 1/2/2018 10:51:33 PM
Subject: Talk

Charles

Can we talk tomorrow morning?

Cheers!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

To: Brown, Lewis[Brown.Lewis@epa.gov]
From: Dourson, Michael
Sent: Thur 12/21/2017 1:10:23 PM
Subject: RE: RE: Good morning Sir

Dear Lewis

Yes, I will not be able to directly work with you at OPP, but would like to stay in touch. My personal email is **Ex. 6 - Personal Privacy** If you and your colleagues are interested in responses to mis-characterization or prior work at TERA/UC during my confirmation process, we finally have permission to post them. Visit www.tera.org and click on the link to collaborative work.

Cheers!

Michael

From: Brown, Lewis
Sent: Thursday, December 21, 2017 8:03 AM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: RE: Good morning Sir
Importance: High
Sensitivity: Confidential

May this message find you in excellent health and spirits once it reaches you this morning. I am very sorry that you are leaving us as I would have enjoyed more than anything the chance to work with you. Would you be able to keep in contact with me? My personal email address is

Ex. 6 - Personal Privacy

interoffice mail.

Sincerely,

Lewis R. Brown

Env. Biologist

To: Beck, Nancy[beck.nancy@epa.gov]; Baptist, Erik[baptist.erik@epa.gov]
From: Dourson, Michael
Sent: Fri 11/17/2017 1:01:30 AM
Subject: RE: Request for 30-day extension of comment period for TSCA mercury reporting rule

Nancy

I am not sufficiently adept in this area to understand the question.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Michael

From: Beck, Nancy
Sent: Thursday, November 16, 2017 6:04 PM
To: Baptist, Erik <baptist.erik@epa.gov>
Cc: Dourson, Michael <dourson.michael@epa.gov>
Subject: FW: Request for 30-day extension of comment period for TSCA mercury reporting rule

FYI—

Ex. 5 - Attorney Client

Ex. 5 - Attorney Client

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M:

Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Culleen, Lawrence E. [<mailto:Lawrence.Culleen@apks.com>]
Sent: Thursday, November 16, 2017 5:19 PM
To: Morris, Jeff <Morris.Jeff@epa.gov>
Cc: Beck, Nancy <Beck.Nancy@epa.gov>
Subject: Request for 30-day extension of comment period for TSCA mercury reporting rule

Jeff –

On behalf of my client, the Chemcial Users Coalition, we have requested an extension of the comment period for the proposed rule concerning reporting for the TSCA Mercury Inventory. We appreciate your consideration of this request.

As always, feel free to contact me with any questions. I look forward to hearing from you.

Larry

Lawrence Culleen

Partner

Arnold & Porter Kaye Scholer LLP
601 Massachusetts Ave., NW
Washington | District of Columbia 20001-3743
T: +1 202.942.5477
Lawrence.Culleen@apks.com | www.apks.com

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For more information about Arnold & Porter Kaye Scholer LLP, click here:
<http://www.apks.com>

ED_001803B_00003453-2

To: Keigwin, Richard[Keigwin.Richard@epa.gov]
From: Dourson, Michael
Sent: Tue 11/7/2017 9:34:54 PM
Subject: RE: Sen. Udall PRIA Letters
[mdResponse to Senator Udall.docx](#)

Rick

This is a nice letter. I only saw a few places where some revised text might be helpful. Please see the attached text and use these suggestions as appropriate.

Cheers!

Michael

From: Keigwin, Richard
Sent: Sunday, November 5, 2017 5:07 PM
To: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Beck, Nancy <Beck.Nancy@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>
Cc: Kaiser, Sven-Erik <Kaiser.Sven-Erik@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>; Bolen, Derrick <bolen.derrick@epa.gov>; Schaible, Stephen <Schaible.Stephen@epa.gov>; Dyner, Mark <dyner.mark@epa.gov>; Perlis, Robert <Perlis.Robert@epa.gov>; Mclean, Kevin <Mclean.Kevin@epa.gov>; Guilaran, Yu-Ting <Guilaran.Yu-Ting@epa.gov>; Lowit, Anna <Lowit.Anna@epa.gov>
Subject: FW: Sen. Udall PRIA Letters

I've taken a stab at developing a response to Senator Udall's October 2017 letter to Senators Roberts and Stabenow, reflecting the discussion Nancy and I had with Jonathan Black last week as well as the input recently received from the PPDC.

All comments are welcome.

From: Kaiser, Sven-Erik

Sent: Tuesday, October 31, 2017 11:55 AM

To: Beck, Nancy <Beck.Nancy@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>; Bolen, Derrick <bolen.derrick@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>; Schaible, Stephen <Schaible.Stephen@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>

Subject: Sen. Udall PRIA Letters

PRIA Team – following up on this morning's call, attached are the two letters from Sen. Udall and others to Sens. Roberts and Stabenow concerning the PRIA hold. Possible next steps include: a followup call with Jonathan after the PPDC meeting, possibly a meeting with Sen. Udall to discuss his concerns, and a written response to the Oct 20 letter. Please let me know if any questions. Thanks,

Sven

Sven-Erik Kaiser

U.S. EPA

Office of Congressional and Intergovernmental Relations

1200 Pennsylvania Ave., NW (1305A)

Washington, DC 20460

202-566-2753

To: Bowman, Liz[Bowman.Liz@epa.gov]
Cc: Beck, Nancy[beck.nancy@epa.gov]; Jackson, Ryan[jackson.ryan@epa.gov]; Lyons, Troy[lyons.troy@epa.gov]
From: Dourson, Michael
Sent: Fri 10/27/2017 1:24:35 AM
Subject: RE: For Review: Draft Myth v Reality

Liz

I will have the 5 websites in your hands tomorrow morning. Please let me know if you need them sooner. Unfortunately, I do not have my file of responses to Senator Carper from before the hearing. However, you should have this file. On one of the early pages, I include a table with 3 legal jobs. The first one was for TCE where I testified for the plaintiff. The contact information for the lawyer is given in this table. I also do not have his contact email immediately accessible, since the university took my computer. However, I can get this for you by tomorrow morning as well, if you need it.

Cheers!

Michael

From: Bowman, Liz
Sent: Thursday, October 26, 2017 7:44 PM
To: Beck, Nancy <Beck.Nancy@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>
Subject: RE: For Review: Draft Myth v Reality

No worries, we are good.

From: Beck, Nancy
Sent: Thursday, October 26, 2017 5:46 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>; Bowman, Liz <Bowman.Liz@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>
Subject: RE: For Review: Draft Myth v Reality

I have an appointment at 6pm but I can catch up someone afterwards. Sorry.

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Jackson, Ryan

Sent: Thursday, October 26, 2017 5:45 PM

To: Dourson, Michael <dourson.michael@epa.gov>; Bowman, Liz <Bowman.Liz@epa.gov>;

Lyons, Troy <lyons.troy@epa.gov>; Beck, Nancy <Beck.Nancy@epa.gov>

Subject: RE: For Review: Draft Myth v Reality

Can you guys join us in my office?

From: Dourson, Michael

Sent: Thursday, October 26, 2017 5:45 PM

To: Bowman, Liz <Bowman.Liz@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>; Beck, Nancy <Beck.Nancy@epa.gov>

Subject: RE: For Review: Draft Myth v Reality

Liz

Very nice. Please see the attached tweaked version (sorry, but the strike and replace version did

not carry over).

Cheers!

Michael

From: Bowman, Liz

Sent: Thursday, October 26, 2017 1:54 PM

To: Jackson, Ryan <jackson.ryan@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>;
Lyons, Troy <lyons.troy@epa.gov>; Beck, Nancy <Beck.Nancy@epa.gov>

Subject: For Review: Draft Myth v Reality

Attached.

Liz Bowman

U.S. Environmental Protection Agency (EPA)

Office: 202-564-3293

To: Bowman, Liz[Bowman.Liz@epa.gov]
From: Dourson, Michael
Sent: Wed 12/13/2017 2:29:45 PM
Subject: Re: Comment sought from Mr. Dourson for upcoming article

Liz

I will give you a call at 11, and will be back in the office after lunch. Please let me know if we need to meet in person this morning.

Cheers!

Michael

Sent from my iPhone

On Dec 12, 2017, at 9:37 PM, Bowman, Liz <Bowman.Liz@epa.gov> wrote:

Here are the documents the NYT is asking about...can we discuss tomorrow?

Sent from my iPhone

Begin forwarded message:

From: "Kaplan, Sheila" <sheila.kaplan@nytimes.com>
Date: December 12, 2017 at 9:21:43 PM EST
To: "Bowman, Liz" <Bowman.Liz@epa.gov>
Subject: Re: Comment sought from Mr. Dourson for upcoming article

Dear Ms. Bowman:"

Here is the pasted version of the relevant pages about the fundraising for the TEF, of which Mr. Dourson was and perhaps is still president. I'd like to know, also, if he still has that position. I don't know what the protocol is in terms of resigning from posts when one is awaiting confirmation. As i wrote in the earlier memo, I'd like to know if he participated in the fundraising, and who actually donated to the Foundation.

Thank you,

Sheila Kaplan

From:

To:

Cc: Subject: Date:

Cragin, David

Ann de Peyster; ; Dourson, Michael (doursoml); Ndifor, Anthony [JRDUS]; Jenkins, Jeffrey;
William.Farland@colostate.edu; Mark Lafranconi; nvsoucy@mmm.com; OUEDRAOGO Gladys; rdphill@ec.rr.com; Silvia
Barros; Wexler, Philip (NIH/NLM) [E]; Suzanne Fitzpatrick; David Steup; John DeSesso;
j

Masten Management

RE: Corporate donor ideas - advice and help? Monday, June 5, 2017 10:42:14 PM

Hi Ann,

I know Shaun Clancy at Evonik. I don't know him well – he moderated a session I spoke at this year. However, if no one else knows him, I'm glad to contact him.

Best regards, Dave

David Cragin, PhD, DABT
Merck Sharp & Dohme
Product Stewardship and Science, Global Safety & Environment 770 Sumneytown Pike WP20-205
West Point PA 19486
1-215-652-6615

From: Ann de Peyster [mailto:adepeyst@mail.sdsu.edu]

Sent: Friday, June 02, 2017 1:59 PM

To: Ex. 8 - Personal Privacy adepeyst@mail.sdsu.edu; Dourson, Michael (doursoml); Ndifor, Anthony [JRDUS]; Jenkins, Jeffrey; William.Farland@colostate.edu; Mark Lafranconi; nvsoucy@mmm.com; Cragin, David; OUEDRAOGO Gladys; rdphill@ec.rr.com; Silvia Barros; Wexler, Philip (NIH/NLM) [E]; Suzanne Fitzpatrick; Ann de Peyster; David Steup; John DeSesso;
Cc: Masten Management
Subject: TEF: Corporate donor ideas - advice and help?

Your TEF Fundraising Chair Ann here again:

Do you know anyone highlighted in blue on this Group A list? If you do, or if you have a strong suggestion for Group B companies further below, then please read

this entire long email carefully to learn why I'm asking now. Sorry for the length. I have a lot to say that I think is important for you to know as you consider this.

Group A:

ACI (American Cleaning Institute)/Richard Sedlak or Fran Kruszewski
Amgen/Amgen Foundation/Cynthia Afshari
BASF/Martin Kayser, Patricia Rice

Bayer CropScience/Ellen Arthur

Cargill/Brent Kobiush

CropLife America/Ray McAllister

GMA (Grocery Manufacturers Association)/Leon Bruner

E. I. Dupont de Nemours/Haskell/Terry Medley (or Randy Frame)

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Eli Lilly and Company Foundation/Thomas Jones Evonik/Shawn Clancy

Monsanto/Will Ridley

Procter & Gamble/Jack McEnany

Unilever/Julia Fentem or Carl Westmorland

Working through **personal contacts** is clearly the most effective fundraising strategy. Contacts in Group A are from a much longer list of potential sources TEF has compiled. If you know any of these people **and are willing to make the contact** please let me know ASAP (**by Monday if possible**). Many companies will be finalizing their budgets soon if they haven't already; however, even if there's no opportunity now, any contacts made now still raises awareness of TEF and makes it easier to approach that potential source again next year. If you know someone in any of these companies who you think would be a **better** contact than those shown above, and you are willing to approach that individual instead, then we'd obviously like to know that, too.

Asking for a donation on behalf of TEF isn't easy for a lot of people, and it really isn't easy for me either. I will continue to contact as many others not shown here that I know well enough to know they at least recognize my name. Tony also has his own long list of CRO's. A few other trustees have already committed to contacting others you do not see here.

Because there isn't enough time in the day to approach everyone else 'cold' we're seeking everyone's help and advice now and I will do anything (within reason) to help you with tools and tips if you are willing to make the contact. For now I will just add that this year we're not expecting millions from anyone. At this point we're mainly trying to support and grow offerings we know we volunteer trustees can continue

with with help from Masten Management vs. taking on big new projects and leaps of faith and getting ourselves into projects we aren't 100% sure we can manage. Even \$1000-2000 each of unrestricted funds from a respectable number of new company sources who is being considered reasonable success.

Group B is a list of companies for whom no contact has been identified yet. Suggestions for contacts there who you think are high enough in the decision-

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making process to be most helpful to TEF are also most welcome.

Group B

PhrMA
Boeringer-Ingelheim Bristol-Meyers Squibb
C&C Consulting in Toxicology Eli Lilly
Genentech
GlaxoSmithKline
Gradient
Novartis
Syngenta
Valent

Thanks everyone, for any help. Special thanks to those other trustees who have already committed to contacting those others you do not see here.

Hope to hear from you soon. Ann

Notice: This e-mail message, together with any attachments, contains information of Merck & Co., Inc. (2000 Galloping Hill Road, Kenilworth, New Jersey, USA 07033), and/or its affiliates Direct contact information for affiliates is available at

<http://www.merck.com/contact/contacts.html>) that may be confidential, proprietary copyrighted and/or legally privileged. It is intended solely for the use of the individual or entity named on this message. If you are not the intended recipient, and have received this message in error, please notify us immediately by reply e-mail and then delete it from your system.

-- END.

On Tue, Dec 12, 2017 at 7:58 PM, Bowman, Liz <Bowman.Liz@epa.gov> wrote:

When you say "you" do you mean me?

Sent from my iPhone

On Dec 12, 2017, at 5:17 PM, Kaplan, Sheila <sheila.kaplan@nytimes.com> wrote:

Dear Ms. Bowman:

I'm a reporter with the NY Times. I'm writing an article based on emails, obtained under FOIA, from the University of Cincinnati, between Mr. Dourson and the TERA/TEF/University staff, EPA, and the ACC.

I am writing to ask Mr. Dourson the following questions:

- 1 - When did Mr. Dourson cut his ties with TERA/TEF/University? What was his last date of employment for these entities?
- 2 - What was his role, if any, on the NAFRA/ACC baby monitor combustion project?
- 3 - Was the Korean version of "Is it Safe?" ever completed?
- 4- Did you participate in the fundraising for the Risk Center, as noted in a June 5 email that lists possible companies and contacts that may be willing to donate?
- 5 - Do you still want the EPA job? Are you still working there now as an adviser?

Thank you for your attention. My deadline is 2 PM Wednesday.
Sincerely,

Sheila Kaplan
Reporter, Washington Bureau
The New York Times
Office: (202) 862-0312
Cell: (415) 305-7305

--

Sheila Kaplan
Reporter, Washington Bureau

The New York Times
Office: (202) 862-0312
Cell: (415) 305-7305

To: Jackson, Ryan[jackson.ryan@epa.gov]
Cc: Beck, Nancy[Beck.Nancy@epa.gov]
From: Dourson, Michael
Sent: Mon 10/30/2017 5:38:17 PM
Subject: Re: FW:

Sure. I also have a few tweaks on the current text.

Sent from my iPhone

> On Oct 30, 2017, at 10:32 AM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:
>
> Will you read through this one more time to ensure we have this represented accurately?
>
> -----Original Message-----
> From: Bowman, Liz
> Sent: Saturday, October 28, 2017 7:10 PM
> To: Jackson, Ryan <jackson.ryan@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>
> Subject: RE:
>
> Updated here with working link.
>
> -----Original Message-----
> From: Jackson, Ryan
> Sent: Friday, October 27, 2017 5:31 PM
> To: Bowman, Liz <Bowman.Liz@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>
> Subject:
>
> Can I get the new Dourson sheet.
>
>
> _____
> Ryan Jackson
> Chief of Staff
> U.S. EPA
> Ex. 6 - Personal Privacy
> <2017-10-27 EPA Nominee Dr. Michael Dourson.docx>

To: Bolen, Derrick[bolen.derrick@epa.gov]
Cc: Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]; Keller, Kaitlin[keller.kaitlin@epa.gov]; Wise, Louise[Wise.Louise@epa.gov]; Beck, Nancy[Beck.Nancy@epa.gov]
From: Dourson, Michael
Sent: Thur 12/21/2017 1:14:31 AM
Subject: Re: Dinner?

Dearest Colleagues

What fun. I will miss working with you. Let's stay in touch...

Mike

Sent from my iPad

On Dec 20, 2017, at 5:40 PM, Bolen, Derrick <bolen.derrick@epa.gov> wrote:

We are leaving here in a few. If you are already over there we will see you there.

From: Dourson, Michael
Sent: Wednesday, December 20, 2017 1:33 PM
To: Beck, Nancy <Beck.Nancy@epa.gov>
Cc: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>; Bolen, Derrick <bolen.derrick@epa.gov>
Subject: RE: Dinner?

Works for me. See you there at 5:30!

From: Beck, Nancy
Sent: Wednesday, December 20, 2017 10:50 AM
To: Dourson, Michael <dourson.michael@epa.gov>
Cc: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>; Bolen, Derrick <bolen.derrick@epa.gov>
Subject: Re: Dinner?

We have a reservation for 6 at 6pm at del frisco's.

If they have a happy hour perhaps we can have a drink at the bar first.

Nancy B. Beck, Ph.D., DABT
Deputy Assistant Administrator, OCSPP
P: 202-564-1273
M: Ex. 6 - Personal Privacy
Beck.Nancy@epa.gov

On Dec 19, 2017, at 8:13 PM, Dourson, Michael <dourson.michael@epa.gov> wrote:

I would be happy just to talk with you gentle people. The food is secondary.

Sent from my iPad

On Dec 19, 2017, at 8:01 PM, Bertrand, Charlotte <Bertrand.Charlotte@epa.gov> wrote:

Yes 6

Sent from my iPhone

On Dec 19, 2017, at 7:52 PM, Beck, Nancy <Beck.Nancy@epa.gov> wrote:

Shall we plan on 6pm tomorrow (Wednesday)?

Please let us know who can join us. So far we have:

Nancy

Charlotte

Mike

Louise

Food suggestions welcome!

Nancy

Nancy B. Beck, Ph.D., DABT
Deputy Assistant Administrator, OCSPP
P: 202-564-1273
M: Ex. 6 - Personal Privacy
Beck.Nancy@epa.gov

On Dec 15, 2017, at 3:01 PM, Bertrand, Charlotte
<Bertrand.Charlotte@epa.gov> wrote:

Hi Mike – OCSPP's IO wants to take you to dinner next week ... are you available? Maybe Wednesday? Hope you have a great weekend!
Charlotte

Charlotte Bertrand

Acting Principal Deputy Assistant Administrator

Office of Chemical Safety and Pollution Prevention

Phone (202) 564-2910

To: Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]; Beck, Nancy[beck.nancy@epa.gov]
Cc: Hanley, Mary[Hanley.Mary@epa.gov]
From: Dourson, Michael
Sent: Wed 11/29/2017 12:42:07 AM
Subject: RE: Slides for briefing on OW PFOA and PFOS HAs

Charlotte

Thanks!

Michael

From: Bertrand, Charlotte
Sent: Tuesday, November 28, 2017 8:11 AM
To: Dourson, Michael <dourson.michael@epa.gov>; Beck, Nancy <Beck.Nancy@epa.gov>
Cc: Hanley, Mary <Hanley.Mary@epa.gov>
Subject: FW: Slides for briefing on OW PFOA and PFOS HAs

From: Strong, Jamie
Sent: Tuesday, November 28, 2017 8:08 AM
To: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
Cc: Hanley, Mary <Hanley.Mary@epa.gov>; Nagle, Deborah <Nagle.Deborah@epa.gov>; Burneson, Eric <Burneson.Eric@epa.gov>; Behl, Betsy <Behl.Betsy@epa.gov>; Flaherty, Colleen <Flaherty.Colleen@epa.gov>; Miller, Gregory <Miller.Gregory@epa.gov>; Donohue, Joyce <Donohue.Joyce@epa.gov>
Subject: Slides for briefing on OW PFOA and PFOS HAs

Charlotte,

Please find attached OW's slides for the briefing on the health advisories for PFOA and PFOS scheduled for Friday. Please let me know if you need anything further.

Thank you,

Jamie Strong

Chief Human Health Risk Assessment Branch

Health and Ecological Criteria Division, 4304-T

Office of Science and Technology, Office of Water

United States Environmental Protection Agency

1200 Pennsylvania Avenue, NW

Washington DC 20460

phone: 202.566.0056

fax: 202.566.1140

To: Zarba, Christopher[Zarba.Christopher@epa.gov]
From: Dourson, Michael
Sent: Tue 12/19/2017 3:23:00 PM
Subject: RE: Senior help

Chris

Great, I look forward to helping. Just for kicks see the link that responds to all the mis-information during my confirmation process (www.tera.org; top link on collaborative work).

Hey, I might have some ideas on needed SAB reviews, just saying...

Cheers!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA
Senior Advisor to the Administrator
U.S. Environmental Protection Agency

dourson.michael@epa.gov
202-564-2463
www.epa.gov

-----Original Message-----

From: Zarba, Christopher
Sent: Tuesday, December 19, 2017 10:19 AM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: RE: Senior help

Got you on the short list. Will have to see what shows up in the pipeline. At this point my ability to predict is limited.

Christopher S. Zarba
US EPA Science Advisory Board
zarba.christopher@epa.gov
O (202) 564-0760

M

Ex. 6 - Personal Privacy

-----Original Message-----

From: Dourson, Michael
Sent: Tuesday, December 19, 2017 5:49 AM
To: Zarba, Christopher <Zarba.Christopher@epa.gov>
Subject: Senior help

Chris

Now that I have asked President Trump to withdraw my nomination, I have a bit more free time to help folks out. Are you in need of any senior toxicology and risk assessment help over the near term?

Cheers!

Mike

Sent from my iPad

To: Jackson, Ryan[jackson.ryan@epa.gov]
From: Dourson, Michael
Sent: Mon 12/4/2017 5:51:07 PM
Subject: Duty station

Ryan

I would like to spend some time back in Ohio and was thinking to work the week between Christmas and New Years at the ORD facility in Cincinnati. Jennifer Orme-Zavaleta has graciously provided an office if needed.

Would this be ok?

Cheers!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

To: Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]
Cc: Beck, Nancy[beck.nancy@epa.gov]; Keller, Kaitlin[keller.kaitlin@epa.gov]; Wise, Louise[Wise.Louise@epa.gov]; Hanley, Mary[Hanley.Mary@epa.gov]
From: Dourson, Michael
Sent: Sat 12/16/2017 1:35:56 PM
Subject: RE: Dinner?

Charlotte

Such a nice thought. I would be delighted to have dinner with you gentlepeople. I am in Monday, Tuesday and Wednesday evenings with no other commitments. Please feel free to pick a time that works bests for your families.

BTW, TERA has been allowed to post responses to the various articles about my nomination process. Makes for an interesting contrast. Please feel free to let folks know about this link (www.tera.org, and then click on the collaborative work link at the top of the page for a pdf version).

Cheers!

Mike

From: Bertrand, Charlotte
Sent: Friday, December 15, 2017 3:01 PM
To: Dourson, Michael <dourson.michael@epa.gov>
Cc: Beck, Nancy <Beck.Nancy@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>; Hanley, Mary <Hanley.Mary@epa.gov>
Subject: Dinner?

Hi Mike – OCSPP's IO wants to take you to dinner next week ... are you available? Maybe Wednesday? Hope you have a great weekend! Charlotte

Charlotte Bertrand

Acting Principal Deputy Assistant Administrator

Office of Chemical Safety and Pollution Prevention

Phone (202) 564-2910

To: Jackson, Ryan[jackson.ryan@epa.gov]; Bowman, Liz[Bowman.Liz@epa.gov]; Lyons, Troy[lyons.troy@epa.gov]; Beck, Nancy[beck.nancy@epa.gov]
From: Dourson, Michael
Sent: Wed 11/1/2017 11:22:00 AM
Subject: RE: explanation.docx
[MDexplanation.docx](#)

Ryan

Here is a strike and replace version. Hopefully more understandable.

Cheers!

Michael

From: Jackson, Ryan
Sent: Tuesday, October 31, 2017 4:38 PM
To: Bowman, Liz <Bowman.Liz@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>; Beck, Nancy <Beck.Nancy@epa.gov>
Subject: explanation.docx

I put this together with a few holes. In the meantime, can you guys look at the attached?

I think it's too wordy but I think this provides the explanation we are kind of looking for. Can you help refine further and fill in holes?

To: Bolen, Derrick[bolen.derrick@epa.gov]
From: Dourson, Michael
Sent: Fri 11/3/2017 8:11:57 PM
Subject: RE: EPA Cell

Michael Dourson

From: Bolen, Derrick
Sent: Friday, November 3, 2017 4:08 PM
To: Beck, Nancy <Beck.Nancy@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>;
Dourson, Michael <dourson.michael@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>;
Hanley, Mary <Hanley.Mary@epa.gov>; Marshall, Venus <Marshall.Venus@epa.gov>
Subject: EPA Cell

All-

EPA Cell: Ex. 6 - Personal Privacy

I wanted to make sure y'all had my EPA cell in case you need to reach me. If y'all could please send me a text with your name that would be greatly appreciated.

Thank you,

Derrick Bolen

To: Beck, Nancy[beck.nancy@epa.gov]; Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]; Morris, Jeff[Morris.Jeff@epa.gov]
From: Dourson, Michael
Sent: Wed 11/29/2017 12:41:08 AM
Subject: RE: PFAS presentation to CHFACA 11.29.17 Final.pptx

Nancy

Thanks.

Michael

From: Beck, Nancy
Sent: Tuesday, November 28, 2017 6:27 PM
To: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>; Morris, Jeff <Morris.Jeff@epa.gov>
Subject: FW: PFAS presentation to CHFACA 11.29.17 Final.pptx

FYI

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M. Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Sinks, Tom
Sent: Tuesday, November 28, 2017 9:35 AM

To: Grevatt, Peter <Grevatt.Peter@epa.gov>; Beck, Nancy <Beck.Nancy@epa.gov>
Subject: PFAS presentation to CHFACA 11.29.17 Final.pptx

This is the presentation I will be giving at the EPA Children's Health Advisory Committee meeting this Thursday. Essentially the ORD briefing provided to the appropriations committee in October + a few slides regarding children's health + an update re North Carolina Chemours spill. All info is public and previously released.

To: Jewell, Shannon[jewell.shannon@epa.gov]
From: Dourson, Michael
Sent: Sat 12/16/2017 1:09:27 PM
Subject: RE: Article of clothing

Shannon

Ex. 6 - Personal Privacy

Ex. 6 - Personal Privacy

Michael

-----Original Message-----

From: Jewell, Shannon
Sent: Friday, December 15, 2017 2:17 PM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: RE: Article of clothing

Thanks Michael,

Ex. 6 - Personal Privacy

Thanks,
Shannon

-----Original Message-----

From: Dourson, Michael
Sent: Friday, December 15, 2017 1:03 PM
To: Jewell, Shannon <jewell.shannon@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>
Subject: RE: Article of clothing

Shannon

Ex. 6 - Personal Privacy

Michael

-----Original Message-----

From: Jewell, Shannon
Sent: Friday, December 15, 2017 10:30 AM
To: Keigwin, Richard <Keigwin.Richard@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>
Subject: RE: Article of clothing

Hi Rick and Michael,

Ex. 6 - Personal Privacy

Thanks,
Shannon

-----Original Message-----

From: Keigwin, Richard
Sent: Friday, December 15, 2017 10:15 AM
To: Dourson, Michael <dourson.michael@epa.gov>
Cc: Jewell, Shannon <jewell.shannon@epa.gov>
Subject: RE: Article of clothing

Michael--

Ex. 6 - Personal Privacy

--Rick

-----Original Message-----

From: Dourson, Michael
Sent: Friday, December 15, 2017 9:47 AM
To: Keigwin, Richard <Keigwin.Richard@epa.gov>
Subject: Article of clothing

Rick

Ex. 6 - Personal Privacy

Cheers!

Michael

Sent from my iPad

To: Bolen, Derrick[bolen.derrick@epa.gov]; Yamada, Richard (Yujiro)[yamada.richard@epa.gov]; Beck, Nancy[beck.nancy@epa.gov]
Cc: Greaves, Holly[greaves.holly@epa.gov]; Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]
From: Dourson, Michael
Sent: Wed 12/6/2017 3:00:45 PM
Subject: RE: IRIS

Derrick

Works for me!

Cheers!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

From: Bolen, Derrick
Sent: Wednesday, December 6, 2017 9:49 AM
To: Yamada, Richard (Yujiro) <yamada.richard@epa.gov>; Beck, Nancy

<Beck.Nancy@epa.gov>

Cc: Greaves, Holly <greaves.holly@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>

Subject: RE: IRIS

Does 5:30 this evening work for everyone?

Thank you,

Derrick Bolen

From: Yamada, Richard (Yujiro)

Sent: Wednesday, December 6, 2017 9:28 AM

To: Beck, Nancy <Beck.Nancy@epa.gov>

Cc: Greaves, Holly <greaves.holly@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Bolen, Derrick <bolen.derrick@epa.gov>

Subject: Re: IRIS

After 5 will work for me - I'm out Friday and the following week - so if today that would be great - thanks

Sent from my iPhone

On Dec 6, 2017, at 9:22 AM, Beck, Nancy <Beck.Nancy@epa.gov> wrote:

Holly,

Derrick can help us find a window. For today, after 5 would work.

Thanks.

Nancy B. Beck, Ph.D., DABT
Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M: Ex. 6 - Personal Privacy

Beck.Nancy@epa.gov

On Dec 6, 2017, at 9:20 AM, Greaves, Holly <greaves.holly@epa.gov> wrote:

Good morning, and I apologize for the delay. I was out of the office unexpectedly Monday and Tuesday.

My calendar is up to date, and it would be good to meet- Ryan actually asks about it this morning.

Can someone in OCSPP schedule the meeting, or would you like my help?

Thanks!

On Dec 1, 2017, at 8:17 PM, Dourson, Michael <dourson.michael@epa.gov> wrote:

Dear Holly, Richard and Jennifer

I would like to continue our discussion on IRIS. Might you gentlefolks have some time next week to do this? Of course, feel free to invite other folks that might be able to contribute, but from an EPA-best viewpoint.

Cheers!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

From: Dourson, Michael

Sent: Wednesday, November 1, 2017 10:08 AM

To: Greaves, Holly <greaves.holly@epa.gov>; Beck, Nancy
<beck.nancy@epa.gov>; Yamada, Richard (Yujiro) <yamada.richard@epa.gov>

Subject: RE: IRIS/TSCA

Holly, thanks for the invitation to participate. I am looking forward to it.

Richard, congratulations on getting the boards announced. Very nice.

Cheers!

Michael

From: Greaves, Holly

Sent: Wednesday, November 1, 2017 9:38 AM

To: Dourson, Michael <dourson.michael@epa.gov>; Beck, Nancy
<Beck.Nancy@epa.gov>; Yamada, Richard (Yujiro) <yamada.richard@epa.gov>

Subject: RE: IRIS/TSCA

Good morning,

I'd like to re-visit this issue with the 3 of you now that the Boards have been announced.

The best time appears to be Friday at 2:30 (Nancy, I see you will have to leave early – if you'd prefer to call-in instead, please let me know).

Thanks,

Holly

From: Dourson, Michael

Sent: Tuesday, October 24, 2017 7:31 AM

To: Greaves, Holly <greaves.holly@epa.gov>; Beck, Nancy

<Beck.Nancy@epa.gov>; Yamada, Richard (Yujiro) <yamada.richard@epa.gov>

Subject: RE: IRIS/TSCA

Holly

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Cheers!

Michael

From: Greaves, Holly
Sent: Monday, October 23, 2017 11:52 AM
To: Dourson, Michael <dourson.michael@epa.gov>; Beck, Nancy <Beck.Nancy@epa.gov>; Yamada, Richard (Yujiro) <yamada.richard@epa.gov>
Subject: RE: IRIS/TSCA

Dr. Dourson, thank you so much – this is really a helpful starting point.

From the comments below, and my knowledge of the program, the summarized options that we have are as follows:

Ex. 5 - Deliberative Process

Does this group feel that we could take these options to Ryan to obtain his direction on how to move forward? If we do that, it would be helpful to have consensus among this group to provide Ryan with one recommendation from potential options.

Please let me know.

From: Dourson, Michael

Sent: Saturday, October 21, 2017 12:42 PM

To: Beck, Nancy <Beck.Nancy@epa.gov>; Yamada, Richard (Yujiro) <yamada.richard@epa.gov>; Greaves, Holly <greaves.holly@epa.gov>

Subject: Re: IRIS/TSCA

Dear Holly, Nancy and Richard

Thanks for including me in the IRIS discussion. As one of the first IRIS leaders I have been concerned about it ever since the late 1990s. What follows is a sketch that outlines 3 items, roughly described at the good, the bad, and the possible!

I would be more than happy to flesh these musings out along with a lot of input from you and other colleagues in EPA.

Cheers!

Michael

The Good

Ex. 5 - Deliberative Process

The Bad

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

The Possible

Ex. 5 - Deliberative Process

Sent from my iPad

On Oct 19, 2017, at 7:14 PM, Dourson, Michael <dourson.michael@epa.gov> wrote:

Thanks!

From: Beck, Nancy
Sent: Thursday, October 19, 2017 7:51 AM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: FW: IRIS/TSCA

FYI—background for Friday. I can give you more info as well.

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Greaves, Holly
Sent: Wednesday, October 18, 2017 10:11 AM
To: Beck, Nancy <Beck.Nancy@epa.gov>; Yamada, Richard (Yujiro) <yamada.richard@epa.gov>
Subject: IRIS/TSCA

Good morning,

The political Associate Director at OMB reached out again today about the **Ex. 5 - Deliberative Process** I'm copying his comments below. I

would like to set up a call with him and the 3 of us.

Would you be free at noon on Friday?

Thanks,

Holly

Ex. 5 - Deliberative Process

To: Bowman, Liz[Bowman.Liz@epa.gov]
From: Dourson, Michael
Sent: Fri 12/1/2017 7:01:17 PM
Subject: Re: A brief meeting?

Of course. We all know you to be a popular person!

Sent from my iPad

> On Dec 1, 2017, at 1:01 PM, Bowman, Liz <Bowman.Liz@epa.gov> wrote:

>

> I'm sorry, I am totally slammed today. Can we talk Monday?

>

> -----Original Message-----

> From: Dourson, Michael

> Sent: Friday, December 1, 2017 12:58 PM

> To: Bowman, Liz <Bowman.Liz@epa.gov>

> Subject: A brief meeting?

>

> Liz

>

> Do you have time after 3 for a meeting?

>

> Cheers!

>

> Michael

>

> Sent from my iPhone

To: Washington, Valerie[Washington.Valerie@epa.gov]
From: Dourson, Michael
Sent: Tue 1/2/2018 9:49:21 PM
Subject: FW: Password Expired

Valerie

What is this password to? Or is this a bogus email?

Thanks!

Mike

From: donotreply@oracle.com [mailto:donotreply@oracle.com]
Sent: Saturday, December 30, 2017 3:50 PM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: Password Expired

Your Password has Expired. Please reset your Password.

UserID: Ex. 6 - Personal Privacy

For any issues, please contact [admin email or phone]

To: Beck, Nancy[beck.nancy@epa.gov]
From: Dourson, Michael
Sent: Tue 10/31/2017 11:15:07 PM
Subject: RE: FQPA safety factors

Nancy

Well perhaps we need to talk to some of our OPP colleagues to get a sense of how often FQPA is invoked when the database uncertainty factor is not needed. **Ex. 5 - Deliberative Process**

Ex. 5 - Deliberative Process

Mike

From: Beck, Nancy
Sent: Tuesday, October 31, 2017 11:00 AM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: FW: FQPA safety factors

Mike—

See attached and below.

The key, to me, is **Ex. 5 - Deliberative Process**

Ex. 5 - Deliberative Process

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M: **Ex. 6 - Personal Privacy**

beck.nancy@epa.gov

From: Keller, Kaitlin
Sent: Tuesday, October 31, 2017 10:53 AM
To: Beck, Nancy <Beck.Nancy@epa.gov>
Cc: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
Subject: FQPA safety factors

Nancy,

These are the two guidance documents linked from the EPA 10x safety factor page. If you think there's something more recent let me know and I'll get it from OPP.

On a somewhat related note, I've also attached the 2016 CLA petition on epi studies—this was one of the follow-up requests from the OP briefing for Charlotte & Mike last week so I'm just compiling that here.

More on the legal text on 10x and the different uncertainty factors we use is pulled from the documents below. I'm still sifting the interwebs for the actual FFDCA Section 408 text.

Thanks,

Kaitlin

The portion of FFDCA section 408 addressing exposure of infants and children to pesticide chemical residues, section 408(b)(2)(C), directs that EPA, in taking action regarding a tolerance, “ensure that there is a reasonable certainty that no harm will result to infants and children from aggregate exposure to the pesticide chemical residue.” Section 408(b)(2)(C)(ii)(I). This paragraph also explicitly requires EPA to assess the risk to children taking into account “available evidence concerning the cumulative effects on infants and children of such residues and other substances that have a common mechanism of toxicity.” Section 408(b)(2)(C)(i)(III). Finally, this paragraph mandates that, in making the reasonable certainty of no harm finding, EPA apply an additional tenfold margin of safety to take into account potential pre- and

postnatal toxicity and completeness of the toxicity and exposure databases. A different factor may be applied if the safety finding is supported by reliable data. This is referred to as the “FQPA safety factor” provision.

To capture both the standard and traditional aspects as well as the uniqueness of the FQPA safety factor, EPA has chosen to use the following terminology to describe the two components of the FQPA safety factor:

- Standard uncertainty factors are the 10X factors used to account for interhuman variation (intraspecies differences-UFH) and experimental animal to human (interspecies-UFA) differences. These uncertainty factors are not considered to be FQPA safety factors.
- Traditional uncertainty factors are those used prior to FQPA passage to account for database deficiencies (i.e., application of an uncertainty factor to extrapolate from subchronic to chronic data (UFS) if deriving a chronic RfD); application of an uncertainty factor to extrapolate from the NOAEL to LOAEL (UFL) if no appropriate NOAEL can be identified in the toxicology database; and application of a database uncertainty factor (UFDb) which is intended to account for the absence of key toxicological data) and which are now codified by FQPA; and
- Special FQPA safety factors are used to apply to the aspect of a different FQPA factor (i.e., residual concerns for susceptibility and residual concerns in the exposure assessment) that is unique to FQPA, and which are those factors introduced primarily as a result of FQPA.

To: Keller, Kaitlin[keller.kaitlin@epa.gov]
Cc: Beck, Nancy[beck.nancy@epa.gov]; Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]
From: Dourson, Michael
Sent: Fri 11/17/2017 12:44:29 AM
Subject: questions

Kaitlin

Here are some questions for our OPP colleagues:

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Cheers!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

To: Beck, Nancy[beck.nancy@epa.gov]
From: Dourson, Michael
Sent: Fri 10/20/2017 11:47:36 AM
Subject: RE: PremierSupport

Nancy

Thanks!

Mike

From: Beck, Nancy
Sent: Thursday, October 19, 2017 9:02 PM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: PremierSupport

FYI. These guys provide awesome tech support!

To: Jackson, Ryan[jackson.ryan@epa.gov]
From: Dourson, Michael
Sent: Tue 12/12/2017 8:05:00 PM
Subject: Re: Location

Ryan

Let me know if you want to meet in person. I can be back at the office by about 4:30.

Michael

Sent from my iPad

> On Dec 12, 2017, at 1:06 PM, Dourson, Michael <dourson.michael@epa.gov> wrote:
>
> Ryan
>
> Sure, my only commitment is at 3pm. Please call Ex. 6 - Personal Privacy at your convenience.
>
> Michael
>
> Sent from my iPhone
>

>> On Dec 12, 2017, at 11:50 AM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:
>>
>> Sure. I was about to email you. Do you have a moment to speak today?
>>

>>
>> _____
>> Ryan Jackson
>> Chief of Staff
>> U.S. EPA
>> Ex. 6 - Personal Privacy
>>

>>> On Dec 12, 2017, at 10:50 AM, Dourson, Michael <dourson.michael@epa.gov> wrote:
>>>
>>> Ryan
>>>

>>> I am currently at the Society for Risk Analysis meeting, having given my plenary talk yesterday and listened to Nancy Beck's talk this morning (as usual, she did a very nice job).
>>>

>>> Please let me know if we need to talk, as I will be in and out of the office for the rest of the day and tomorrow as well. I will be back in the office full time on Thursday, and then leaving for Ohio on Friday morning.
>>>

>>> Cheers!

>>>

>>> Michael

>>>

>>>

>>> Sent from my iPad

To: Jackson, Ryan[jackson.ryan@epa.gov]
From: Dourson, Michael
Sent: Thur 11/2/2017 2:44:28 PM
Subject: Contacts

Ryan

Below are folks that actually know me and who would no doubt be happy to support me in some way. I have many more that we could use.

Cheers!

Michael

Ex. 6 - Personal Privacy

Oxbow Inc. (an Ohio ENGO), Cincinnati

Ex. 6 - Personal Privacy

retired from a number of different ENGOs,

Ex. 6 - Personal Privacy

Ex. 6 - Personal Privacy

Cincinnati

Ex. 6 - Personal Privacy

@uottawa.ca, University of Ottawa, Canada

Ex. 6 - Personal Privacy

@imperial.ac.uk, Imperial College London, London, UK

Ex. 6 - Personal Privacy

@cdc.gov, US Agency for Toxic Substances and Disease Registry, Atlanta

Ex. 6 - Personal Privacy

@tceq.texas.gov, Texas Commission on Environmental Quality, Austin

Ex. 6 - Personal Privacy

@state.mn.us, Minnesota Department of Health, St. Paul

Ex. 6 - Personal Privacy

@nsf.org, NSF International (a 501c3 nonprofit corporation), Ann Arbor

To: Beck, Nancy[Beck.Nancy@epa.gov]
From: Dourson, Michael
Sent: Mon 10/30/2017 9:14:07 AM
Subject: Re: Crosswalk of different evaluation frameworks

Yes Ma'am!

Sent from my iPad

On Oct 29, 2017, at 3:31 PM, Beck, Nancy <Beck.Nancy@epa.gov> wrote:

Thanks. I think the plan is to make sure you Charlotte, and I are on the same page. We have plans to discuss amongst ourselves at noon tomorrow.

Ex. 5 - Deliberative Process

Nancy

Nancy B. Beck, Ph.D., DABT
Deputy Assistant Administrator, OCSPP
P: 202-564-1273
M: Ex. 6 - Personal Privacy
Beck.Nancy@epa.gov

On Oct 29, 2017, at 2:33 PM, Dourson, Michael <dourson.michael@epa.gov> wrote:

Nancy

I am ready to talk with IRIS and her team about this cross walk. One issue that seems paramount, however, is why the Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process Or am I missing something?

Cheers?

Mike

To: Brown, Lewis[Brown.Lewis@epa.gov]
From: Dourson, Michael
Sent: Tue 1/2/2018 9:48:33 PM
Subject: RE: RE: Happy New Year

Lewis

Ex. 6 - Personal Privacy

Michael

From: Brown, Lewis
Sent: Tuesday, January 2, 2018 8:58 AM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: RE: Happy New Year
Importance: High

Ex. 6 - Personal Privacy

To: Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]
Cc: Beck, Nancy[beck.nancy@epa.gov]
From: Dourson, Michael
Sent: Tue 10/31/2017 11:08:40 PM
Subject: RE: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Charlotte

So sorry, only now catching up on emails. Yes, please send me a word version of the file and I will offer both of you and Nancy a strike and replace version sometime tomorrow from an AO perspective.

Cheers!

Michael

From: Bertrand, Charlotte
Sent: Tuesday, October 31, 2017 11:05 AM
To: Dourson, Michael <dourson.michael@epa.gov>
Cc: Beck, Nancy <Beck.Nancy@epa.gov>
Subject: RE: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Yes – definitely please provide some suggested language for the OCSPP 2 pagers. My comments were going to be along the lines of sharing what our AA'ship has done for these compounds. Some of the health effects mentioned are from the OW HA.

From: Dourson, Michael
Sent: Tuesday, October 31, 2017 10:44 AM
To: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
Cc: Beck, Nancy <Beck.Nancy@epa.gov>
Subject: RE: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Charlotte

Wonderful. Also, do I have the opportunity to provide some suggested language?

Cheers!

Michael

Sent from my iPad

On Oct 31, 2017, at 8:58 AM, Bertrand, Charlotte <Bertrand.Charlotte@epa.gov> wrote:

Mike –I'll set up a briefing with you and OW on the development of the 70ppt. Charlotte

From: Dourson, Michael

Sent: Monday, October 30, 2017 7:09 PM

To: Beck, Nancy <Beck.Nancy@epa.gov>

Cc: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>

Subject: RE: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Nancy

Ex. 5 - Deliberative Process

How far along is this fact sheet? At the very least, I would like a briefing from OW on the 70, and incorporate the concept of dose, or at least critical effect, well up front.

Cheers?

Mike

From: Beck, Nancy
Sent: Monday, October 30, 2017 5:40 PM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: FW: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Thank you.

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M: Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Strauss, Linda
Sent: Thursday, October 26, 2017 2:40 PM
To: Beck, Nancy <Beck.Nancy@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>;
Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
Cc: Dunton, Cheryl <Dunton.Cheryl@epa.gov>; Hanley, Mary <Hanley.Mary@epa.gov>
Subject: FW: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

I think this has a lot of good information in it. It differs a little from what was requested which was for each AA-ship to provide its inventory of activities and messages for internal

use. This does that but looks more like an Agency-wide fact sheet.

OW coms director who is coordinating this says she'd rather just see what we have – since it's only for internal use. At a minimum, we should take out the last heading. I have not made any edits. Let me know what you think.

Thanks, Linda

From: Scheifele, Hans
Sent: Wednesday, October 25, 2017 5:26 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>
Cc: Pierce, Alison <Pierce.Alison@epa.gov>; Dunton, Cheryl <Dunton.Cheryl@epa.gov>; Hanley, Mary <Hanley.Mary@epa.gov>
Subject: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Linda,

CCD developed the attached paper on PFOA/PFOS and RAD and Jeff reviewed and concurred. Please take a look and let us know if any questions.

Thanks,

Hans

Hans Scheifele
Special Assistant
Office of Pollution Prevention and Toxics
1200 Pennsylvania Ave., NW
Washington, DC 20460
Voice (202) 564-3122

From: Drinkard, Andrea
Sent: Thursday, October 19, 2017 12:06 PM

To: Grantham, Nancy <Grantham.Nancy@epa.gov>; Lincoln, Larry <Lincoln.Larry@epa.gov>; Mattas-Curry, Lahne <Mattas-Curry.Lahne@epa.gov>; Hubbard, Carolyn <Hubbard.Carolyn@epa.gov>; Bowles, Jack <Bowles.Jack@epa.gov>; Hannon, Arnita <Hannon.Arnita@epa.gov>; Richardson, RobinH <Richardson.RobinH@epa.gov>; Senn, John <Senn.John@epa.gov>; Jones, Enesta <Jones.Enesta@epa.gov>; Maguire, Megan <Maguire.Megan@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Wadlington, Christina <Wadlington.Christina@epa.gov>; Millett, John <Millett.John@epa.gov>; Nowotarski, Allison <nowotarski.allison@epa.gov>
Cc: Klasen, Matthew <Klasen.Matthew@epa.gov>; Wise, Allison <Wise.Allison@epa.gov>
Subject: GenX/PFOA/PFOS Comms Weekly Meeting Follow Up

Hi all—

In follow up to our call yesterday, I wanted to provide some information on what you might include in your one/two pagers on past/current/upcoming actions in your office. Here are some suggested section headers, but please feel free to use whatever format works best for your office as long as you are answering the general “what are we doing” question:

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Please provide me with your one/two pagers by **COB on October 26th**.

I’m working on a shared folder/sharepoint site and will update you when I have something concrete on that front. And, lastly, thanks to the subset of you who are looking at the blurb for Nancy. I will share the updated version with everyone on this email.

-Andrea-

Andrea Drinkard

Communications Director

EPA Office of Water

Desk: 202.564.1601

Cell: Ex. 6 - Personal Privacy

To: Beck, Nancy[beck.nancy@epa.gov]
Cc: Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]
From: Dourson, Michael
Sent: Tue 10/31/2017 11:05:30 PM
Subject: RE: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Nancy

Ex. 5 - Deliberative Process

Do you want for me to do a strike and replace?

Cheers!

Mike

From: Beck, Nancy
Sent: Tuesday, October 31, 2017 10:52 AM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: FW: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

FYI-

I think my comments should capture your dose concerns, but if not let me know.

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M: Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Beck, Nancy

Sent: Tuesday, October 31, 2017 10:51 AM

To: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Strauss, Linda
<Strauss.Linda@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>

Cc: Hanley, Mary <Hanley.Mary@epa.gov>; Dunton, Cheryl <Dunton.Cheryl@epa.gov>

Subject: RE: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Linda,

Some overarching thoughts for consideration:

Ex. 5 - Deliberative Process

Thanks,
Nancy

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Bertrand, Charlotte
Sent: Monday, October 30, 2017 6:44 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>; Beck, Nancy <Beck.Nancy@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>
Cc: Hanley, Mary <Hanley.Mary@epa.gov>; Dunton, Cheryl <Dunton.Cheryl@epa.gov>
Subject: RE: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Hi – I do have a number of comments, thought I would specifically edit the document to reflect my recommendations. When do you need this back? Charlotte

From: Strauss, Linda
Sent: Monday, October 30, 2017 10:46 AM
To: Beck, Nancy <Beck.Nancy@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
Cc: Hanley, Mary <Hanley.Mary@epa.gov>; Dunton, Cheryl <Dunton.Cheryl@epa.gov>
Subject: FW: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Nancy, I know you mentioned you would have some comments. Just don't want this to fall off the radar. I think getting back to the OW organizer this week would be OK. Thanks, Linda

From: Strauss, Linda
Sent: Thursday, October 26, 2017 2:40 PM
To: Beck, Nancy <beck.nancy@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
Cc: Dunton, Cheryl <Dunton.Cheryl@epa.gov>; Hanley, Mary <Hanley.Mary@epa.gov>
Subject: FW: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

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Subject: GenX/PFOA/PFOS 1-2 Pager Request from the OCSPP IO

Linda,

CCD developed the attached paper on PFOA/PFOS and RAD and Jeff reviewed and concurred. Please take a look and let us know if any questions.

Thanks,

Hans

Hans Scheifele
Special Assistant
Office of Pollution Prevention and Toxics
1200 Pennsylvania Ave., NW
Washington, DC 20460
Voice (202) 564-3122

From: Drinkard, Andrea

Sent: Thursday, October 19, 2017 12:06 PM

To: Grantham, Nancy <Grantham.Nancy@epa.gov>; Lincoln, Larry <Lincoln.Larry@epa.gov>; Mattas-Curry, Lahne <Mattas-Curry.Lahne@epa.gov>; Hubbard, Carolyn <Hubbard.Carolyn@epa.gov>; Bowles, Jack <Bowles.Jack@epa.gov>; Hannon, Arnita <Hannon.Arnita@epa.gov>; Richardson, RobinH <Richardson.RobinH@epa.gov>; Senn, John <Senn.John@epa.gov>; Jones, Enesta <Jones.Enesta@epa.gov>; Maguire, Megan <Maguire.Megan@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Wadlington, Christina <Wadlington.Christina@epa.gov>; Millett, John <Millett.John@epa.gov>; Nowotarski, Allison <nowotarski.allison@epa.gov>

Cc: Klasen, Matthew <Klasen.Matthew@epa.gov>; Wise, Allison <Wise.Allison@epa.gov>

Subject: GenX/PFOA/PFOS Comms Weekly Meeting Follow Up

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I’m working on a shared folder/sharepoint site and will update you when I have something concrete on that front. And, lastly, thanks to the subset of you who are looking at the blurb for Nancy. I will share the updated version with everyone on this email.

-Andrea-

Andrea Drinkard

Communications Director

EPA Office of Water

Desk: 202.564.1601

Cell: Ex. 6 - Personal Privacy

To: Beck, Nancy[beck.nancy@epa.gov]; Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]
From: Dourson, Michael
Sent: Tue 12/19/2017 1:03:22 PM
Subject: Phthalate briefing?

Nancy and Charlotte

I got pushed on the phthalate call. Sorry to not be able to help.

Cheers!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

To: Bowman, Liz[Bowman.Liz@epa.gov]
From: Dourson, Michael
Sent: Tue 1/2/2018 9:46:04 PM
Subject: RE: Withdrawal of nomination

Liz

Here you go: https://en.wikipedia.org/wiki/Michael_Dourson. It is not a badly balanced description.

Mike

From: Bowman, Liz
Sent: Tuesday, January 2, 2018 3:21 PM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: RE: Withdrawal of nomination

Thanks for sending, please don't respond. I don't know anything about a Wiki story – can you please send me the link?

From: Dourson, Michael
Sent: Tuesday, January 2, 2018 2:52 PM
To: Bowman, Liz <Bowman.Liz@epa.gov>
Subject: FW: Withdrawal of nomination

Liz

In your bailiwick, so I will let you respond, or not, as appropriate. BTW, do you know who is responsible for the Wiki story?

Cheers!

Mike

From: Alex Guillen [<mailto:aguillen@politico.com>]
Sent: Tuesday, January 2, 2018 2:41 PM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: RE: Withdrawal of nomination

Hello Dr. Dourson, I wanted to follow up and see whether you have determined whether to remain at EPA or if you have any other comment on future plans.

Thank you,

Alex Guillén

From: Alex Guillen
Sent: Wednesday, December 13, 2017 6:17 PM
To: 'dourson.michael@epa.gov' <dourson.michael@epa.gov>
Subject: Withdrawal of nomination

Hi Dr. Dourson,

Bloomberg reports that you have withdrawn your nomination from the Senate. Is that true? Why? Also, do you intend to remain at EPA as an adviser to Administrator Pruitt?

Thank you,

Alex Guillén

Energy Reporter

POLITICO **Pro**

(o) 703.341.4619 | (c) 571.839.6243

aguillen@politico.com | @alexcguillen

To: Beck, Nancy[beck.nancy@epa.gov]; Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]
From: Dourson, Michael
Sent: Mon 12/4/2017 5:18:11 PM
Subject: RE: Task Order Information for the NAS IRIS Workshop

Nancy and Charlotte

Let's chat about this.

Mike

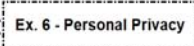
From: Beck, Nancy
Sent: Monday, December 4, 2017 11:07 AM
To: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>
Subject: FW: Task Order Information for the NAS IRIS Workshop

FYI

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M:  Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Bolen, Derrick
Sent: Monday, December 4, 2017 9:59 AM
To: Beck, Nancy <Beck.Nancy@epa.gov>
Subject: Fw: Task Order Information for the NAS IRIS Workshop

FYI

From: Kuhn, Kevin
Sent: Monday, December 4, 2017 9:57 AM
To: Bolen, Derrick
Subject: FW: Task Order Information for the NAS IRIS Workshop

Hi Derrick,

Richard Yamada asked that I forward you the attached documents and background (below). My understanding is the Mike or Nancy may be interested in them.

Thanks,

Kevin

Kevin Kuhn

ORD/EPA

(202) 564-4835
Mobile: (202) 309-3969

Attached is the Task Order information for the NAS IRIS workshop. The 'parent' workshop task order and subsequent modifications are attached for completion, however, the last modification (document 3) is the one pertinent to this workshop. To summarize:

- IRIS had an agreement in place with NAS (since 2015) to conduct public meetings and workshops (Parent Task Order)
 - o 6 meetings/workshops
 - o \$350,0000
- December 2015 - Modification 1
 - o No cost change TOCOR from Joe DeSantis to Vicki Soto
- February 2017 – Modification 2
 - o No cost extension for the POP (through March 2018)
- September 2017 – Modification 3
 - o No cost change 6 meetings to 4 (+ consensus report on IRIS progress)
 - o Cost=balance of \$111,577.64

Additional information about the workshop from the NAS website is pasted below. Please let me know if you need additional information.

Thanks,

Tina

202-564-7903

NAS Meeting

Review of Advances Made to the IRIS Process: A Workshop - 02/01/18

Statement of Task

An ad hoc committee under the auspices of the National Academies of Sciences, Engineering, and Medicine will assess changes that have been implemented or that are planned to be implemented by the U.S. Environmental Protection Agency (EPA) for its Integrated Risk Information System (IRIS) in response to recommendations made in previous Academies reports, such as Review of EPA's Integrated Risk Information System (IRIS) Process and Review of the Environmental Protection Agency's Draft IRIS Assessment of Formaldehyde. The

committee primarily will base its assessment on EPA presentations and interactive sessions during a 1.5 day workshop at which multiple opportunities will be provided for stakeholder input.

Committee Membership Information

Project Title: Review of Advances Made to the IRIS Process
PIN: DELS-BEST-17-03
Major Unit: Division on Earth and Life Studies
Sub Unit: Board on Environmental Studies & Toxicology
RSO: Mantus, Ellen
Subject/Focus Area: Environment and Environmental Studies

Committee Membership

Date Posted: 11/27/2017

Dr. Jonathan M. Samet - (Chair) - (Chair)

Jonathan M. Samet is a pulmonary physician and epidemiologist. He is the Dean for the Colorado School of Public Health and previously served as a professor and Flora L. Thornton Chair of the Department of Preventive Medicine of the Keck School of Medicine of the University of Southern California (USC) and director of the USC Institute for Global Health. Dr. Samet's research has focused on the health risks posed by inhaled pollutants. He has served on numerous committees concerned with public health: the US Environmental Protection Agency Science Advisory Board; committees of the National Academies, including chairing the Biological Effects of Ionizing Radiation VI Committee, the Committee on Research Priorities for Airborne Particulate Matter, the Committee to Review EPA's Draft IRIS Assessment of Formaldehyde, the Committee to Review the IRIS Process, and the Board on Environmental Studies and Toxicology, among others; and the National Cancer Advisory Board. He is a member of the National Academy of Medicine. Dr. Samet received his MD from the University of Rochester, School of Medicine and Dentistry.

Dr. Sandra J.S. Baird

Sandra J.S. Baird is an environmental analyst with the Massachusetts Department of Environmental Protection Office of Research and Standards. She supports the air toxics and drinking-water programs through the development of cancer and noncancer toxicity values, evaluation of the implications of new toxicologic information and guidance, evaluation of site-specific toxicity and exposure assessment issues, and development of guidance in support of risk-based decision-making. Her research interests include probabilistic characterization of uncertainty in toxicity values for use in risk assessment and mixtures risk assessment. Dr. Baird served on the National Academies Committee to Review EPA's Draft IRIS Assessment of Formaldehyde. Dr. Baird received her PhD in toxicology from the University of Rochester School of Medicine and Dentistry.

Dr. Richard A. Corley

Richard A. Corley (retired) was a laboratory fellow at the Pacific Northwest National Laboratory operated by Battelle for the US Department of Energy. Dr. Corley specializes in the development of physiologically based pharmacokinetic models, real-time breath analysis, dermal and inhalation bioavailability, and the development of three-dimensional computational fluid-dynamic models of the respiratory system. He has published numerous peer-reviewed papers on oral, dermal, and inhalation toxicology; on modes of action of a variety of industrial and consumer chemicals; and on pharmacokinetic modeling and its applications in human health risk assessment. Dr. Corley has served on several National Academies committees, including the Committee to Assess the Health Implications of Perchlorate Ingestion, the Standing Committee on Risk Analysis Issues and Reviews, and the Committee to Review EPA's Draft IRIS Assessment of Formaldehyde, and the Committee to Review EPA's Draft State of the Science Paper on Nonmonotonic Dose Response. He received a PhD in environmental toxicology from the University of Illinois at Urbana-Champaign.

Dr. George P. Daston

George Daston is the Victor Mills Society Research Fellow at the Procter & Gamble Company. He has published over 100 articles and book chapters and edited five books in toxicology and risk assessment. His current research efforts are in the areas of toxicogenomics and mechanistic toxicology, particularly in addressing how findings in these fields can improve risk assessment of chemicals and the development of non-animal alternatives. Dr. Daston has served as President of the Teratology Society, as Councilor and Treasurer-Elect of the Society of Toxicology, and on the US EPA Science Advisory Board, the Board of Scientific Counselors of the National Toxicology Program, the National Academies' Board on Environmental Studies and Toxicology, and the National Children's Study Advisory Committee. He is Editor-in-Chief of Birth Defects Research: Developmental and Reproductive Toxicology. With scientists at the US Humane Society, Dr. Daston manages the AltTox website, which is devoted to the exchange of scientific information leading to the development of in vitro replacements for toxicity assessments. Dr. Daston has been awarded the Josef Warkany Lectureship and the Distinguished Service Award by the Teratology Society, the George H. Scott Award by the Toxicology Forum, and the Society of Toxicology's Best Paper of the Year Award, and is an elected Fellow of AAAS. Dr. Daston is an adjunct Professor of Pediatrics at University of Cincinnati. He earned his PhD in developmental biology from the University of Miami.

Dr. David C. Dorman

David Dorman is a professor of toxicology in the Department of Molecular Biomedical Sciences at North Carolina State University. His research interests include neurotoxicology, nasal toxicology, pharmacokinetics, and cognition and olfaction in animals. He has served on advisory boards for the US Navy, the National Aeronautics and Space Administration, the US Department of Agriculture, and the National Toxicology Program. He has chaired several National Academies committees, including the Committee on Endocrine-Related Low Dose Toxicity, the Committee on Predictive-Toxicology Approaches for Military Assessments of Acute Exposures, and the Committee on Design and Evaluation of Safer Chemical Substitutions. He was also a member of the Committee to Review EPA's Draft IRIS Assessment of Formaldehyde and the Committee to Review the IRIS Process. Dr. Dorman is an elected fellow of the Academy of Toxicological Sciences, is a fellow of the American Association for the Advancement of Sciences, and is a National Associate of the National Academies of Sciences, Engineering, and Medicine. He received a DVM from Colorado State University. He completed a combined PhD and veterinary toxicology residency program at the University of Illinois at Urbana-Champaign. Dr. Dorman is a diplomate of both the American Board of Veterinary Toxicology and the American Board of Toxicology.

Dr. Russ B. Hauser

Russ Hauser is the chair of the Department of Environmental Health, Frederick Lee Hisaw Professor of Reproductive Physiology, and professor of Environmental and Occupational Epidemiology at the Harvard T.H. Chan School of Public Health. He also holds an appointment at the Harvard Medical School, where he is Professor of Obstetrics, Gynecology, and Reproductive Biology. Dr. Hauser's research focuses on the effects of environmental chemicals on reproductive health, pregnancy, and children's health. He has served on several National Academies committees, including the Committee to Review EPA's State of the Science Paper on Nonmonotonic Dose Response, the Committee on the Health Risks of Phthalates, and the Committee on Endocrine-Related Low Dose Toxicity. Dr. Hauser was a member of two US EPA Science Advisory Boards. He served on the US Consumer Product Safety Commission's Chronic Hazard Advisory Panel that examined the effects of phthalates on children's health. Dr. Hauser is an Associate Editor of Environmental Health Perspectives, Journal of the National Institute of Environmental Health Sciences. He received his MD from the Albert Einstein College of Medicine and his MPH and ScD from the Harvard T.H. Chan School of Public Health where he also completed a residency in Occupational Medicine. He is board certified in Occupational Medicine.

Dr. Karen A. Robinson

Karen A. Robinson is an associate professor at the Johns Hopkins University School of Medicine. She also serves as director of the Johns Hopkins University Evidence-Based Practice Center and is a member of the core faculty in the Center for Clinical Trials and Evidence Synthesis at the university's Bloomberg School of Public Health. Her research focuses on evidence-based health care and evidence-based research. She conducts systematic reviews that are used to develop clinical practice guidelines and to inform other health decisions. She served on the National Academies Committee on Endocrine-Related Low-Dose Toxicity and the Committee on Gulf War and Health: Treatment of Chronic Multisymptom Illness. Dr. Robinson received her MSc in health sciences from the University of Waterloo, Ontario, and her PhD in epidemiology from the Johns Hopkins University Bloomberg School of Public Health.

Dr. Richard P. Scheines

Richard P. Scheines is a professor and the head of philosophy at Carnegie Mellon University. His research focuses on causal discovery, specifically the problem of learning about causation from statistical evidence. Dr. Scheines also works in building and researching the effectiveness of educational software, ranging from intelligent proof tutors to virtual causality laboratories to a full-semester course on causal and statistical reasoning. Because of that work, he has a courtesy appointment in the Human-Computer Interaction Institute at Carnegie Mellon. He served on several National Academies committees, including the Committee to Review the IRIS Process. Dr. Scheines received a PhD in the history and philosophy of science from the University of Pittsburgh.

Dr. Lauren Zeise

Lauren Zeise is director of the California Environmental Protection Agency's Office of Environmental Health Hazard Assessment. She oversees the department's activities, which include the development of risk assessments, hazard evaluations, toxicity reviews, cumulative impact analyses, frameworks and methods for assessing toxicity and cumulative effects of vulnerability and environmental exposures on communities, and the department's activities in the California Environmental Contaminant Biomonitoring Program. Dr. Zeise was the 2008 recipient of the Society for Risk Analysis' Outstanding Practitioners Award. She has served on advisory boards and committees of the US Environmental Protection Agency, the Office of Technology Assessment, the World Health Organization, and the National Institute of Environmental Health Sciences. Dr. Zeise has served on numerous National Academies committees, including the Committee on Toxicity Testing and Assessment of Environmental Agents and the Committee on Improving Risk Analysis Approaches Used by the U.S. Environmental Protection Agency. Dr. Zeise received a PhD from Harvard University.

Dr. Yiliang Zhu

Yiliang Zhu is a professor in the Division of Epidemiology, Biostatistics, and Preventive Medicine, School of Medicine at the University of New Mexico (UNM). He directs the biostatistics, epidemiology, and research design cores for the Clinical and Translational Research Center of UNM and for the Mountain West Clinical and Translational Research Infrastructure Network, a consortium of 13 universities in seven states. His research focuses on quantitative methods in health risk assessment, including integrative modeling of biological systems, dose-response modeling, benchmark-dose methods, and uncertainty quantification. He also conducts research in biostatistics methods, clinical- and health-outcome evaluation, and impact assessment of healthcare systems and policies in northwestern rural China. Before joining UNM Dr. Zhu was a professor at University of South Florida College of Public Health where he directed the Biostatistics PhD program and the Center for Collaborative Research. Dr. Zhu has served on several National Academies committees, including the Committee on EPA's Exposure and Human Health Assessment of Dioxin and Related Compounds, the Committee on Tetrachloroethylene, the Committee to Review EPA's Draft IRIS Assessment of Formaldehyde, and the Committee to Review the IRIS Process. He received a PhD in statistics from the University of Toronto.

To: Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]; Beck, Nancy[beck.nancy@epa.gov]
From: Dourson, Michael
Sent: Mon 11/20/2017 8:39:56 PM
Subject: P2 meeting

Nancy and Charlotte

I have looked over the presentations for the next meeting and do not see a critical chemical risk assessment issue. So if you do not mind, I will spend my remaining time today reading up on the deep dive on Wednesday for systemic review. Please feel free to disagree and send me a short note requesting my time.

Cheers!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

To: Beck, Nancy[beck.nancy@epa.gov]; Keigwin, Richard[Keigwin.Richard@epa.gov]; Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]
From: Dourson, Michael
Sent: Mon 12/4/2017 5:01:39 PM
Subject: RE: Fifth Draft (?): Sen. Udall PRIA Letters
[mdResponse to Senator Udall Version5.docx](#)

Nancy, Rick and Charlotte

Nice letter. Here are some suggestions, from an AO viewpoint. Please use (or not) as appropriate.

Cheers!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

From: Beck, Nancy

Sent: Monday, December 4, 2017 11:19 AM

To: Keigwin, Richard <Keigwin.Richard@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>

Cc: Kaiser, Sven-Erik <Kaiser.Sven-Erik@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>; Bolen, Derrick <bolen.derrick@epa.gov>; Schaible, Stephen <Schaible.Stephen@epa.gov>; Dyner, Mark <dyner.mark@epa.gov>; Perlis, Robert <Perlis.Robert@epa.gov>; Mclean, Kevin <Mclean.Kevin@epa.gov>; Guilaran, Yu-Ting <Guilaran.Yu-Ting@epa.gov>; Lowit, Anna <Lowit.Anna@epa.gov>; Dyner, Mark <dyner.mark@epa.gov>

Subject: Fifth Draft (?): Sen. Udall PRIA Letters

Rick,

Attached is an updated draft Udall response. Some comments remain but I would greatly appreciate further input.

Thanks.

Nancy

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M: Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Keigwin, Richard

Sent: Wednesday, November 8, 2017 7:50 AM

To: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Beck, Nancy <Beck.Nancy@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>

Cc: Kaiser, Sven-Erik <Kaiser.Sven-Erik@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>; Bolen, Derrick <bolen.derrick@epa.gov>; Schaible, Stephen <Schaible.Stephen@epa.gov>; Dyner, Mark <dyner.mark@epa.gov>; Perlis, Robert <Perlis.Robert@epa.gov>; Mclean, Kevin <Mclean.Kevin@epa.gov>; Guilaran, Yu-Ting <Guilaran.Yu-Ting@epa.gov>; Lowit, Anna <Lowit.Anna@epa.gov>; Dyner, Mark <dyner.mark@epa.gov>

Subject: Second Draft: Sen. Udall PRIA Letters

Thanks for everyone's comments and feedback. I think this draft addresses the comments provided. If it doesn't, I'm sure you'll let me know – I'd like to blame it on the altitude here in

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From: Keigwin, Richard

Sent: Sunday, November 05, 2017 5:07 PM

To: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Beck, Nancy <beck.nancy@epa.gov>; Louise Wise (<Wise.Louise@epa.gov>) <Wise.Louise@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>

Cc: Sven-Erik Kaiser (<Kaiser.Sven-Erik@epa.gov>) <Kaiser.Sven-Erik@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>; Bolen, Derrick <bolen.derrick@epa.gov>; Schaible, Stephen <Schaible.Stephen@epa.gov>; Mark Dyner (<dyner.mark@epa.gov>) <dyner.mark@epa.gov>; Bob Perlis (<Perlis.Robert@epa.gov>) <Perlis.Robert@epa.gov>; Mclean, Kevin <Mclean.Kevin@epa.gov>; Guilaran, Yu-Ting <Guilaran.Yu-Ting@epa.gov>; Anna Lowit (<Lowit.Anna@epa.gov>) <Lowit.Anna@epa.gov>

Subject: FW: Sen. Udall PRIA Letters

I've taken a stab at developing a response to Senator Udall's October 2017 letter to Senators Roberts and Stabenow, reflecting the discussion Nancy and I had with Jonathan Black last week as well as the input recently received from the PPDC.

All comments are welcome.

From: Kaiser, Sven-Erik

Sent: Tuesday, October 31, 2017 11:55 AM

To: Beck, Nancy <Beck.Nancy@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>; Bolen, Derrick <bolen.derrick@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>; Schaible, Stephen <Schaible.Stephen@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>

Subject: Sen. Udall PRIA Letters

PRIA Team – following up on this morning’s call, attached are the two letters from Sen. Udall and others to Sens. Roberts and Stabenow concerning the PRIA hold. Possible next steps include: a followup call with Jonathan after the PPDC meeting, possibly a meeting with Sen. Udall to discuss his concerns, and a written response to the Oct 20 letter. Please let me know if any questions. Thanks,

Sven

Sven-Erik Kaiser

U.S. EPA

Office of Congressional and Intergovernmental Relations

1200 Pennsylvania Ave., NW (1305A)

Washington, DC 20460

202-566-2753

To: Keigwin, Richard[Keigwin.Richard@epa.gov]
Cc: Beck, Nancy[beck.nancy@epa.gov]; Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]
From: Dourson, Michael
Sent: Mon 11/13/2017 1:14:13 PM
Subject: DOI and ESA

Rick

I have a draft letter in from DOI and need your help, or that of Marietta. Perhaps we can talk today at 9:45 am?

Cheers!

Michael

To: Behl, Betsy[Behl.Betsy@epa.gov]; Beck, Nancy[beck.nancy@epa.gov]
Cc: Forsgren, Lee[Forsgren.Lee@epa.gov]; Nagle, Deborah[Nagle.Deborah@epa.gov]; Strong, Jamie[Strong.Jamie@epa.gov]; Ohanian, Edward[Ohanian.Edward@epa.gov]; Grevatt, Peter[Grevatt.Peter@epa.gov]; Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]; Wambaugh, John[Wambaugh.John@epa.gov]; Sinks, Tom[Sinks.Tom@epa.gov]; Clark, Becki[Clark.Becki@epa.gov]
From: Dourson, Michael
Sent: Wed 12/20/2017 6:50:32 PM
Subject: RE: PFOA and PFOS documents requested

Betsy

Thanks for this information. What will be helpful now is

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Cheers!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

From: Behl, Betsy

Sent: Wednesday, December 20, 2017 9:53 AM

To: Beck, Nancy <Beck.Nancy@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>

Cc: Forsgren, Lee <Forsgren.Lee@epa.gov>; Nagle, Deborah <Nagle.Deborah@epa.gov>; Strong, Jamie <Strong.Jamie@epa.gov>; Ohanian, Edward <Ohanian.Edward@epa.gov>; Grevatt, Peter <Grevatt.Peter@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Wambaugh, John <Wambaugh.John@epa.gov>; Sinks, Tom <Sinks.Tom@epa.gov>

Subject: RE: PFOA and PFOS documents requested

Many thanks to John Wambaugh (ORD) for developing this information in response to your request. It was delayed a few days because I was out sick. As you can see from the attachments, the maximum is within a factor of two of the mean concentration.

Notes from ORD regarding attachments:

Attached are two new figures summarizing the comparison of max and mean concentrations.

For the drinking water advisories ORD simulated the plasma concentrations at the LEL doses for various studies. Those simulations estimated a mean concentration (which we used) as well as a maximum concentration.

In the figures the solid line indicates 1:1 (agreement) while the dashed line indicates concentrations two times higher.

Across the studies for both PFOS and PFOA it appears that the max is within a factor of two of the mean.

Also attached are two figures from the Wambaugh et al. (2013) paper where we evaluated our model using measured concentrations that were available from various PK studies and some of the tox studies (usually on the final day for tox studies).

Best, Betsy

From: Beck, Nancy

Sent: Friday, December 15, 2017 8:16 AM

To: Behl, Betsy <Behl.Betsy@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>

Cc: Forsgren, Lee <Forsgren.Lee@epa.gov>; Nagle, Deborah <Nagle.Deborah@epa.gov>; Strong, Jamie <Strong.Jamie@epa.gov>; Ohanian, Edward <Ohanian.Edward@epa.gov>; Grevatt, Peter <Grevatt.Peter@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Wambaugh, John <Wambaugh.John@epa.gov>; Sinks, Tom <Sinks.Tom@epa.gov>

Subject: RE: PFOA and PFOS documents requested

Betsy,

Thank you for all the emails and information. It was a helpful discussion. At one point, I recall,

Ex. 5 - Deliberative Process

Many thanks,
Nancy

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M: Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Behl, Betsy

Sent: Friday, December 1, 2017 6:09 PM

To: Beck, Nancy <Beck.Nancy@epa.gov>; Dourson, Michael <dourson.michael@epa.gov>

Cc: Forsgren, Lee <Forsgren.Lee@epa.gov>; Nagle, Deborah <Nagle.Deborah@epa.gov>; Strong, Jamie <Strong.Jamie@epa.gov>; Ohanian, Edward <Ohanian.Edward@epa.gov>; Grevatt, Peter <Grevatt.Peter@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Wambaugh, John <Wambaugh.John@epa.gov>; Sinks, Tom <Sinks.Tom@epa.gov>

Subject: PFOA and PFOS documents requested

Thank you for the opportunity to describe to you the process we followed and the derivation of the drinking water health advisories for PFOA and PFOS published in 2016. Above are links to several documents you requested as well as a link below to the PFOA and PFOS health advisory documents and the PFOA and PFOS health effects support documents. The health advisory documents have a discussion of Immunotoxicity findings in the Effects Characterization sections which may interest you, given ATSDR's emphasis.

1. Here is the link to the final documents and our response to peer review comments:
<https://www.epa.gov/ground-water-and-drinking-water/supporting-documents-drinking-water-health-advisories-pfoa-and-pfos>
2. Attached are the 2014 drafts and peer review comments
3. Attached are OW's comments (see below) to ATSDR on the draft Tox Profile from June 2017
4. Attached is copy of PFOA critical study by Lau et al 2006
5. ATSDR draft (June 2017) critical studies/effects and MRL development for PFOA:

Neurodevelopmental effects/altered activity and skeletal alterations in mice offspring [Koskela et al. (2016); Onishchenko et al. (2011)]

Modeled average serum values using a peer-reviewed pharmacokinetic model developed by ORD (Wambaugh et al., 2013).

UF = 300 (LOAEL –10, animal-human – 3, human variability – 10)

Minimum Risk Level (MRL) = 3×10^{-6} mg/kg-day

We are providing the OW comments that were sent to ATSDR and will follow up early next week with the consolidated EPA comments that went to ATSDR in June, once we get them from ORD. I believe several offices made points similar to the OW comments. You also indicated an interest in the early studies done by OSCPP. We are trying to locate those as well and will send next week.

Please let me know if there is other information we discussed that you would like to review and we will do our best to provide it.

Best, Betsy

Elizabeth (Betsy) Behl, Director

Health and Ecological Criteria Division, 4304-T

Office of Science and Technology, Office of Water

United States Environmental Protection Agency

1200 Pennsylvania Avenue, NW

Washington DC 20460

phone: 202.566.0788

room 5233H

To: Washington, Valerie[Washington.Valerie@epa.gov]
From: Dourson, Michael
Sent: Thur 11/2/2017 1:50:28 PM
Subject: RE: Out today

Valarie

Thanks for letting me know. Get well!

Michael

-----Original Message-----

From: Washington, Valerie
Sent: Thursday, November 2, 2017 9:47 AM
To: Dourson, Michael <dourson.michael@epa.gov>; Wooden-Aguilar, Helena <Wooden-Aguilar.Helena@epa.gov>; Allen, Reginald <Allen.Reginald@epa.gov>; Davis, Gail <Davis.Gail@epa.gov>; Willis, Sharnett <Willis.Sharnett@epa.gov>; Twillman, Brian <Twillman.Brian@epa.gov>
Subject: Out today

Gm All,
I will not be in today.

Sent from my iPhone

To: Beck, Nancy[beck.nancy@epa.gov]; Morris, Jeff[Morris.Jeff@epa.gov]; Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]; Mottley, Tanya[Mottley.Tanya@epa.gov]; Keigwin, Richard[Keigwin.Richard@epa.gov]
Cc: Hanley, Mary[Hanley.Mary@epa.gov]; Keller, Kaitlin[keller.kaitlin@epa.gov]
From: Dourson, Michael
Sent: Tue 10/31/2017 10:26:52 PM
Subject: RE: Risk Assessment Specialty Section (RASS) Monthly Webinar on November 8, 2017

Nancy

From an AO perspective

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Cheers!

Michael

From: Beck, Nancy
Sent: Tuesday, October 31, 2017 6:06 PM
To: Morris, Jeff <Morris.Jeff@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Mottley, Tanya <Mottley.Tanya@epa.gov>
Cc: Dourson, Michael <dourson.michael@epa.gov>; Hanley, Mary <Hanley.Mary@epa.gov>
Subject: FW: Risk Assessment Specialty Section (RASS) Monthly Webinar on November 8, 2017

FYI—

Please pass along to RAD.

Thanks,
Nancy

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M: Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Nancy Beck [<mailto:unab44@gmail.com>]

Sent: Tuesday, October 31, 2017 5:33 PM

To: Beck, Nancy <Beck.Nancy@epa.gov>

Subject: Fwd: Risk Assessment Specialty Section (RASS) Monthly Webinar on November 8, 2017

Sent from my iPhone

Begin forwarded message:

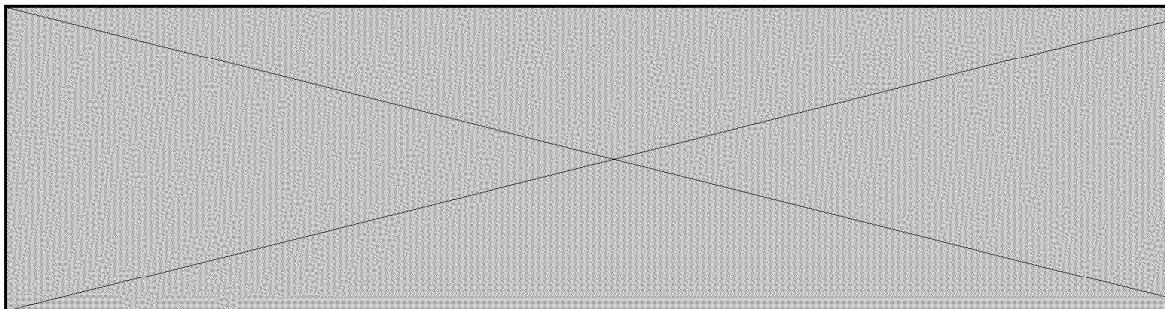
From: "SOT Headquarters" <SOTHQ@toxicology.org>

Date: October 31, 2017 at 5:05:45 PM EDT

To: unab44@gmail.com

Subject: Risk Assessment Specialty Section (RASS) Monthly Webinar on November 8, 2017

Reply-To: "SOT Headquarters" <SOTHQ@toxicology.org>



Dear RASS members:

Our November webinar will familiarize us with the latest on systematic review – how and why it was developed as well as how it is being implemented in assessment applications. Vickie Walker of the National Toxicology Program in the NIEHS and Michele Taylor of the IRIS program at the US EPA will present

perspectives and applications from their respective agencies on the practice and promise of systematic review in their two-part presentation entitled: "*Systematic Review: Concept and Tool Development with Application to Assessment Processes of the National Toxicology Program (NTP) and the Integrated Risk Information System (IRIS)*."

The abstract for the presentation is provided below with the instructions for webinar access.

The file for the presentation will be available for download on Monday, November 6th, by COB in the "Webinars and Downloads" section of the RASS homepage. The URL is as follows: <http://www.toxicology.org/groups/ss/RASS/downloads.asp>.

I hope you will be able to join us to learn about the state-of-the-science for application of systematic review in risk assessment. Your participation in the webinars and especially the discussion at the end makes the time taken by our presenters to contribute to our webinars worthwhile. Please show your appreciation of their contribution by your continued attendance and active engagement.

Cheers,

Annie

Annie M. Jarabek

Senior Science Advisor

National Center for Environmental Assessment (NCEA)

Office of Research and Development

U.S. EPA

B-243-01 Research Triangle Park, NC 27711

Mobile (*best way to reach me*): 919.637.6016 Office: 919.541.4847

P Go Green - print this email only if necessary

**Risk Assessment Specialty Section (RASS)
2017 Fall Season Webinar**

Wednesday, November 8, 3:00 to 4:30 p.m. (ET)
(See below for Instructions on Webinar Access)

***Systematic Review: Concept and Tool Development with
Application to Assessment Processes of the National Toxicology
Program (NTP) and the Integrated Risk Information System (IRIS)***

Vickie R. Walker, PhD

Division of the National Toxicology Program (NTP) at the
National Institutes of Environmental Health Sciences (NIEHS)
NIH

Systematic Review Methods to Support Transparency and Consistency in Environmental Health Decision Making

Michele M. Taylor, PhD

Integrated Risk Information System (IRIS)
National Center for Environmental Assessment (NCEA)
US EPA

Systematic Review: Concept and Tool Development with Application in the IRIS Assessment Process

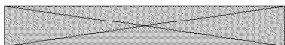
Abstract

There is growing interest within the environmental health community to incorporate systematic review methodology to increase transparency and objectivity of literature reviews of complex environmental questions. Systematic review uses a pre-established scientific framework to identify, select, assess, and summarize data from available studies to address specific scientific questions. The goal is to ensure the review is complete, unbiased, reproducible and transparent. The results of a systematic review can be used to inform decisions, reach conclusions, or identify research needs. Environmental health questions require the evaluation of a broad range of relevant data (e.g., human, animal, and “other relevant data” including mechanistic or *in vitro* studies), therefore systematic review methods must consider the diversity of data types and include procedures to integrate data across these evidence streams to reach conclusions regarding potential health effects from environmental exposures.

This webinar will provide a general overview of systematic review methods for addressing environmental questions and several software tools that facilitate the application of the workflow. Examples will be presented from both the National Toxicology Program’s Office of Health Assessment and Translation (OHAT) and the Integrated Risk Information System (IRIS) at EPA.

DISCLAIMER: *The views expressed in this abstract are those of the authors and do not necessarily reflect the views or policies of the US EPA. Reference herein to any specific commercial software products, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government. The views and opinions of the speakers expressed herein do not necessarily state or reflect those of the United States Government, and shall not be used for advertising or product endorsement purposes. Neither speaker has any conflict of interest to disclose.*

WEBINAR ACCESS INSTRUCTIONS



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(US & Canada Toll-Free): 1.866.469.3239

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Event number/Access code: 733 972 564

SOT is dedicated to creating a safer and healthier world by advancing the science and increasing the impact of toxicology.



You are receiving this correspondence as a service of your participation with the Society of Toxicology. Please contact [SOT Headquarters](#) if you have questions regarding these communications.

To: Sands, Jeffrey[sands.jeffrey@epa.gov]
From: Dourson, Michael
Sent: Mon 11/13/2017 1:11:48 PM
Subject: DOI issue

Jeff

We need to talk today about an issue. I am available at 10, 2 and 4. Please email or call me at 202 510 3414.

Cheers!

Michael

To: zarba.chris@epa.gov[zarba.chris@epa.gov]
From: Dourson, Michael
Sent: Tue 12/19/2017 10:46:53 AM
Subject: Senior help

Chris

Now that I have asked President Trump to withdraw my nomination, I have a bit more free time to help folks out. Are you in need of any senior toxicology and risk assessment help over the near term?

Cheers!

Mike

Sent from my iPad

To: Jackson, Ryan[jackson.ryan@epa.gov]
Cc: Lyons, Troy[lyons.troy@epa.gov]; Bowman, Liz[Bowman.Liz@epa.gov]
From: Dourson, Michael
Sent: Sat 10/28/2017 5:47:43 PM
Subject: Re: 2nd example

Ryan, just sent it. This is a good example because I was defending the use of EPA's cancer finding for the plaintiff. Unfortunately, my only contact recently with Richard Bowles, the lawyer associated with this example, was through email and my university computer has this information (and I do not). However, he gave me permission to use this example in my response to Carper.

Cheers!

Michael

Sent from my iPad

> On Oct 28, 2017, at 12:27 PM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:

>

> Mike do you have information on the other example as well?

>

>

> _____
> Ryan Jackson

> Chief of Staff

> U.S. EPA

>

Ex. 6 - Personal Privacy

To: Beck, Nancy[Beck.Nancy@epa.gov]
Cc: Bowman, Liz[Bowman.Liz@epa.gov]; Sands, Jeffrey[sands.jeffrey@epa.gov]; Bennett, Tate[Bennett.Tate@epa.gov]
From: Dourson, Michael
Sent: Tue 10/31/2017 9:04:25 PM
Subject: Re: PPDCA draft remarks

Nancy

Very nice!

Michael

Sent from my iPad

On Oct 31, 2017, at 10:37 AM, Beck, Nancy <Beck.Nancy@epa.gov> wrote:

Liz—slightly updated for your review.

I appreciate any suggestions—thanks everyone! This is meant to be short intro remarks..

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator

Office of Chemical Safety and Pollution Prevention

P: 202-564-1273

M: Ex. 6 - Personal Privacy

beck.nancy@epa.gov

<PPDC draft remarks.2.docx>

To: Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]
From: Dourson, Michael
Sent: Fri 12/15/2017 1:10:51 PM
Subject: RE: Comments

Thanks!

From: Bertrand, Charlotte
Sent: Thursday, December 14, 2017 5:28 PM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: Comments

Charlotte Bertrand

Acting Principal Deputy Assistant Administrator

Office of Chemical Safety and Pollution Prevention

Phone (202) 564-2910

To: Beck, Nancy[Beck.Nancy@epa.gov]
From: Dourson, Michael
Sent: Wed 11/15/2017 1:54:47 PM
Subject: Re: Briefing: Chemical Registration Process

Nancy

I actually did get this and read it over. Gosh, my short term memory is worse than I thought...

Mike

Sent from my iPad

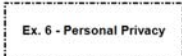
On Nov 15, 2017, at 8:28 AM, Beck, Nancy <Beck.Nancy@epa.gov> wrote:

I feel your pain. Figuring out a good system to track emails and flag those for followup is never easy when one changes jobs!

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M:  Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Dourson, Michael
Sent: Wednesday, November 15, 2017 8:27 AM
To: Beck, Nancy <Beck.Nancy@epa.gov>
Subject: RE: Briefing: Chemical Registration Process

Nancy

Thanks. I must have missed it in the blizzard of emails recently received from Kaitlin.

Cheers!

Mike

From: Beck, Nancy
Sent: Wednesday, November 15, 2017 8:11 AM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: Re: Briefing: Chemical Registration Process

Yes. This is the Black fly prebrief. Kaitlyn was working on a backgrounder and we sent it up to the AO Yesterday. You should have received it as well.

Nancy B. Beck, Ph.D., DABT
Deputy Assistant Administrator, OCSPP
P: 202-564-1273
M: Ex. 6 - Personal Privacy
Beck.Nancy@epa.gov

On Nov 15, 2017, at 8:05 AM, Dourson, Michael <dourson.michael@epa.gov> wrote:

Nancy

I presume that you know what this is about? I have no information on it.

Mike

-----Original Appointment-----

From: Administrator Pruitt email address - ex. 6

Sent: Tuesday, November 14, 2017 3:26 PM

To: Administrator Pruitt email address - ex. 6 Jackson, Ryan; Beck, Nancy; Traylor, Patrick; Lyons, Troy; Ringel, Aaron; Forsgren, Lee; Greenwalt, Sarah; Dourson, Michael

Subject: Briefing: Chemical Registration Process

When: Wednesday, November 15, 2017 3:30 PM-4:00 PM (UTC-05:00) Eastern Time (US & Canada).

Where: Administrator's Office

To: Keller, Kaitlin[keller.kaitlin@epa.gov]
Cc: Beck, Nancy[beck.nancy@epa.gov]
From: Dourson, Michael
Sent: Thur 11/9/2017 1:19:09 AM
Subject: RE: Bifenthrin and Cyfluthrin DRAs
[mdCyfluthrin DRA.pdf](#)
[mdBifenthrin DRA.pdf](#)

Kaitlin

Wonderful stuff. I have a few questions. With whom would I chat please?

Cheers!

Michael

From: Keller, Kaitlin
Sent: Wednesday, November 8, 2017 11:25 AM
To: Dourson, Michael <dourson.michael@epa.gov>
Cc: Beck, Nancy <Beck.Nancy@epa.gov>
Subject: Bifenthrin and Cyfluthrin DRAs

Good morning Mike,

Just an FYI (sending you some light reading materials). Attached are two draft risk assessments for cyfluthrin and bifenthrin, both pyrethroids, that are scheduled to publish with the next round of DRAs. Cyfluthrin and bifenthrin are two of the last three pyrethroid human health risk assessments that need to be released (the last, cypermethrin, will be Q1 FY18) as we have put out all of the other (~25) human health pyrethroid assessments at this time.

Thanks,

Kaitlin

Kaitlin Keller

Acting Special Assistant

Office of Chemical Safety and Pollution Prevention

U.S. Environmental Protection Agency

(202) 564-7098

To: Jackson, Ryan[jackson.ryan@epa.gov]; Bowman, Liz[Bowman.Liz@epa.gov]; Lyons, Troy[lyons.troy@epa.gov]
From: Dourson, Michael
Sent: Sat 10/28/2017 5:38:40 PM
Subject: 2nd Example

Ryan, Liz and Troy

Here is the description of my second example. It was already given to Senator Carper as part of a response to his first round of questions, specifically question 4.

Cheers!

Michael

Sent from my iPad

Carper Question 4) TERA's website states that "TERA can provide a variety of litigation support services from review and analysis of data, to written opinions, to expert witness testimony" and that this work has included "testimony as expert witness on U.S. EPA's chromium risk assessment for Defendant in groundwater contamination case." For each of the past ten years, please identify each case in which TERA or any of its employees provided 'litigation support' and the party to which such support was provided, and the amount and type of compensation received. In responding, please include the caption of the case, the court in which the case was heard and the case number, and include copies of all materials produced as part of its litigation support services, including expert witness

testimony, analysis of data and written opinions provided by TERA or any of its

employees, as well as transcripts of depositions of TERA or any of its employees.

Dourson Response: Please see the table below. Requests for details of the materials and opinions should be directed to the given contact, as I am uncertain of the existing status of the litigation. Compensation is not listed, but if the work exceeded 2% of TERA's effort in anyone year from 2010 to 2015, it was listed on the financial summaries referred to above.

Case	Issue	Contact
No. CIV MSC 05-01725; IN THE SUPERIOR COURT	Contaminated site regarding comparison of levels of contaminant	Richard Bowles; 925 935 3300

OF THE STATE OF CALIFORNIA IN AND FOR THE COUNTY OF CONTRA COSTA; RON BLOCK, et al., Plaintiff; DANIEL HELIX, et al., Defendant.	exposure and health benchmarks. TCE and other solvents were involved.	Bowles and Verna LLP 2121 N. California Blvd., Suite 875 P.O. Box 8180 Walnut Creek, CA 94596-8180 Representing the plaintiff.
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To: Jewell, Shannon[jewell.shannon@epa.gov]
From: Dourson, Michael
Sent: Tue 11/14/2017 6:21:36 PM
Subject: RE: Got It

You are very welcome...

From: Jewell, Shannon
Sent: Tuesday, November 14, 2017 12:54 PM
To: Dourson, Michael <dourson.michael@epa.gov>
Subject: Got It

Got the fax, thank you.

Shannon

Shannon Jewell · (703) 347-0109 · jewell.shannon@epa.gov

EPA Office of Pesticide Programs Immediate Office

To: Beck, Nancy[beck.nancy@epa.gov]; Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]
From: Dourson, Michael
Sent: Mon 12/4/2017 3:08:50 PM
Subject: RE:

Thanks!

From: Beck, Nancy
Sent: Monday, December 4, 2017 8:42 AM
To: Dourson, Michael <dourson.michael@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
Subject: RE:

Yikes. I hope you will feel better quickly. Let me know if you need any tea!

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M: Ex. 6 - Personal Privacy

beck.nancy@epa.gov

From: Dourson, Michael
Sent: Monday, December 4, 2017 8:41 AM
To: Beck, Nancy <Beck.Nancy@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
Subject:

Nancy and Charlotte

To: Beck, Nancy[beck.nancy@epa.gov]; Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]
From: Dourson, Michael
Sent: Fri 12/15/2017 1:07:31 PM
Subject: Cmax

Nancy and Charlotte

Ex. 5 - Deliberative Process

Let me know if you need AO support. I do not mind taking the lead, if this is better from your perspective.

Cheers!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

dourson.michael@epa.gov

202-564-2463

www.epa.gov

I apologize but am under the weather. I am going to hole up in my office and hopefully make it out this afternoon. Please let me know if you need anything from me.

Cheers!

Michael...

... L. Dourson, PhD., DABT, FATS, FSRA

Senior Advisor to the Administrator

U.S. Environmental Protection Agency

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